

Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com



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COA #0 278

Florida Certificate of Product Approval #FL 1999

04/30/2025

Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: B60868a
Job Description: BORCHARDT RESIDENCE	
Address: FL	

Job Engineering Criteria:				
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 24.02.00C			
	JRef #: 1Y9K8570005			
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 37.00			
Building Type: Closed				

This package contains general notes pages, 58 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	119.25.1524.23985	A1 42' Stepdown Hip
3	119.25.1524.25954	A3 42' Stepdown Hip
5	119.25.1524.24438	A5 42' Stepdown Hip Girder
7	119.25.1524.25156	B2 30' Stepdown Hip
9	119.25.1524.25407	C1 35' Common
11	119.25.1524.24453	D1 30' Common
13	119.25.1524.24985	D1b 30' Common
15	119.25.1524.25281	D1d 30' Common
17	119.25.1524.24625	E1 29' Common
19	119.25.1735.59623	E2a 29' Common
21	119.25.1524.23750	G1 29' Common Girder
23	119.25.1524.24487	G2a 29' Common Girder
25	119.25.1524.25172	G2c 29' Common
27	119.25.1524.24987	H1 23'2" Scissor
29	119.25.1524.25547	H1b 23'6" Scissor
31	119.25.1524.24704	K1 15' Common Girder
33	119.25.1524.25657	K3-DG 15' Gable
35	119.25.1524.25595	M1 13'6" Common
37	119.25.1524.24376	N2 12' Common
39	119.25.1524.24219	O1 10'8"13 Mono Girder
41	119.25.1524.25923	O2s 9'2"4 Mono
43	119.25.1524.24110	Q1a 7'9" Mono
45	119.25.1524.24719	PB1 13'8" Common
47	119.25.1524.26033	PB3 6'8" Common
49	119.25.1524.25235	PB5-G 6'8"8 Gable

Item	Drawing Number	Truss
2	119.25.1524.23766	A2 42' Stepdown Hip
4	119.25.1524.25971	A4 42' Stepdown Hip
6	119.25.1524.25078	B1 30' Stepdown Hip
8	119.25.1524.25236	B2a 30' Stepdown Hip
10	119.25.1524.24876	C1s 30' Common
12	119.25.1524.23969	D1a 30' Common
14	119.25.1524.25406	D1c 30' Common
16	119.25.1524.24642	D1e 30' Special
18	119.25.1735.55547	E2 29' Common
20	119.25.1524.24875	E3-DG 29' Gable
22	119.25.1524.25846	G2 29' Common
24	119.25.1524.24172	G2b 29' Common Girder
26	119.25.1524.24986	G3-SG 29' Gable
28	119.25.1524.25501	H1a 23'6" Scissor
30	119.25.1524.25581	H2-SDG 23'6" Gable
32	119.25.1524.23948	K2 15' Common
34	119.25.1524.23923	L1-DG 14'6" Gable
36	119.25.1524.24720	N1 12' Common Girder
38	119.25.1524.25580	N3-DG 12' Gable
40	119.25.1524.24188	O2 9'5"12 Mono
42	119.25.1524.25485	Q1 7'9" Mono
44	119.25.1524.25328	R1 2' Mono
46	119.25.1524.24126	PB2 13'8" Common
48	119.25.1524.24235	PB4 7'6"6 Common
50	119.25.1524.25781	V1 29'11"2 Valley



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Job Description: BORCHARDT RESIDENCE		
Address: FL		

Item	Drawing Number	Truss
51	119.25.1524.25703	V2 23'11"2 Valley
53	119.25.1524.24469	V4 11'11"2 Valley
55	119.25.1524.25798	JA 8'7"14 Hip Jack Girder
57	119.25.1524.24798	JC 4'1"11 Jack
59	GBLDIAG220923	
61	REPCHRD1014	
63	VALTN220723	

Item	Drawing Number	Truss
52	119.25.1524.24360	V3 17'11"2 Valley
54	119.25.1524.25891	V5 5'11"2 Valley
56	119.25.1524.25734	JB 6'2" End Jack
58	119.25.1524.25860	JD 2'1"11 Jack
60	PB160220723	
62	VAL180220723	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high-quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed, and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Bearing Information:

The bearing area factor, Cb, is considered for the allowable capacity of solid sawn wood bearings supporting trusses that are located a minimum of 3" from the end of the lumber piece.

General Notes (continued)

Coated Lumber:

Coated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Coated lumber has no adjustments to lumber properties. Coated lumber may be more brittle than uncoated lumber. Special handling care must be taken to prevent breakage during all handling activities. Refer to manufacturer literature, specifications, and code evaluation reports for restrictions, details, and requirements.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

C = Coated lumber.

C-AT = AtTEK coated lumber.

C-FX = FX Lumber Guard coated lumber.

C -TE = TechWood 4400 coated lumber.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-BF = Boraflame Fire Retardant Treated lumber

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-ON = OnWood Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for all load cases.

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

General Notes (continued)

Key to Terms (continued):

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

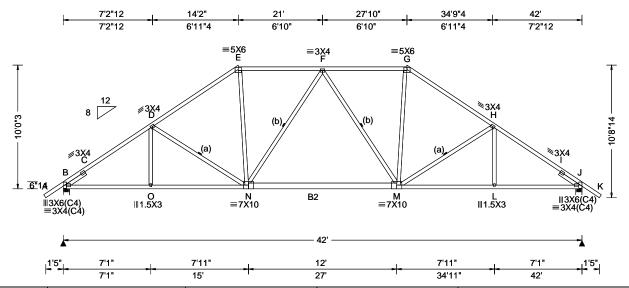
Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www. sbcacomponents.com

SEQN: 29683 / HIPS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T44 / FROM: RJL DrwNo: 119.25.1524.23985 Qty: 1 BORCHARDT RESIDENCE Truss Label: A1 42' Stepdown Hip SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No	PP Deflection in loc L/defl L/# VERT(LL): 0.128 F 999 360 VERT(CL): 0.227 F 999 240 HORZ(LL): 0.058 J HORZ(TL): 0.103 J Creep Factor: 2.0 Max TC CSI: 0.487 Max BC CSI: 0.850 Max Web CSI: 0.342 VIEW Ver: 24.02.00C.1213.15

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1;

Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

	▲ Maximum Reactions (lbs)						
	Gravity			Non-Gravity			
)	Loc R	- /R-	/ Rh	/ Rw	/ U	/ RL	
)	B 184	7 /-	/-	/864	/-	/190	
	J 184	7 /-	/-	/864	/-	/-	
	Wind re	actions b	ased on I	MWFRS			
	B Brg	Wid = 6	.0 Min	Req = 2.2	(Truss	s)	
	J Brg	Wid = 6	.0 Min	Req = 2.2	(Trus	s)	
	Bearing	s B & J a	re a rigid	surface.	•	•	
	Membe	rs not list	ed have f	orces less	than 3	375#	
	Maximu	ım Top (hord Fo	rces Per	Ply (lb	s)	
	Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.	
	B-C	443 -	2612	F-G	346	- 1827	
	C-D		2549		361		
	D-E	361 -		О Н-I	310		

Maximum Bot Chor	rd Forces Per	Ply (lbs)
Chords Tens Comp	Chords	Tens Co

346 - 1827

E-F

Choras	rens.c	omp.	Choras	rens. v	Jomp.
B - O O - N N - M		- 154 - 155 - 148	M - L L - J	2041 2043	
IM - IM	1900	- 140			

- 2612

Maximum Web Forces Per Ply (lbs)

webs	Tens.Co	omp.	vvebs	rens. Comp.	
F - N	777	- 61	M - G	777	- 60



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

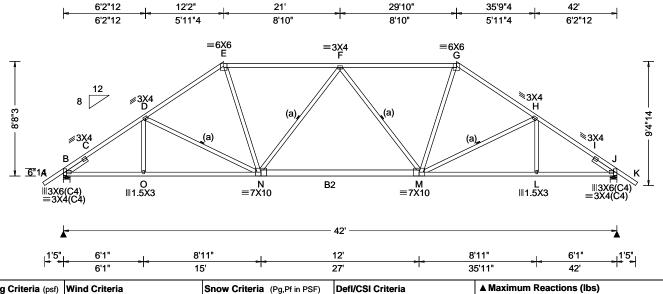
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec. 2.

For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org



SEQN: 29685 / HIPS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T43 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.23766 Truss Label: A2 42' Stepdown Hip SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.137 F 999 360 VERT(CL): 0.244 F 999 240 HORZ(LL): 0.060 I HORZ(TL): 0.107 I Creep Factor: 2.0 Max TC CSI: 0.724 Max BC CSI: 0.842 Max Web CSI: 0.438 VIEW Ver: 24.02.00C.1213.15	Loc R B 18 J 18 Wind r B Br J Br Bearin Membe Maxim Chords B - C C - D
Lumber				D-E

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1;

Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

	▲ N	ıaxımı	ım Re	eactions	(Ibs)		
L/#		G	ravity		l	Non-Gra	vity
360	Loc	: R+	/ R-	/ Rh	/ Rv	v /U	/ RI
240	В	1830	/-	/-	/854	l /99	/164
-	J	1830	/-	/-	/854	/99	/-
-	Wir	nd read	ctions	based o	n MWFRS	3	
	В	Brg V	Vid = 0	6.0 Mi	n Req = 2	2.2 (Trus	s)
	J	Brg V	Vid = 0	6.0 Mi	n Req = 2	2.2 (Trus	s)
	Bea	arings	B&J	are a rig	id surface	١.	
	Mei	mbers	not lis	ted have	e forces le	ss than	375#
	Max	ximun	1 Top	Chord F	Forces Pe	er Ply (lb	s)
	Cho	ords 7	Tens.C	Comp.	Chords	Tens.	Com
.15	В-	С	393	- 2592	F-G	374	- 20
	C-	D	324	- 2528	G - H	389	- 22
		L/# 360 240 B J Wir B J Beac Me Ma Cht	L/# G 360 Loc R+ 240 B 1830 - J 1830 - Wind reac B Brg V J Brg V Bearings Members Maximun Chords 1	L/# 360 240 B 1830 /- J 1830 /- Wind reactions B Brg Wid = U J Brg Wid = U Bearings B & J Members not lis Maximum Top Chords Tens.0	L/# 360 240 B 1830 /- /- J 1830 /- /- Wind reactions based o B Brg Wid = 6.0 Mi J Brg Wid = 6.0 Mi Bearings B & J are a rig Members not listed have Maximum Top Chord F Chords Tens.Comp. B - C 393 - 2592	Loc R+ /R- /Rh /Rv B 1830 /- /- /854 J 1830 /- /- /854 J 1830 /- /- /854 Wind reactions based on MWFRS B Brg Wid = 6.0 Min Req = 2 J Brg Wid = 6.0 Min Req = 2 Bearings B & J are a rigid surface Members not listed have forces le Maximum Top Chord Forces Pe Chords Tens.Comp. Chords B - C 393 - 2592 F - G	L/# 360 240 B 1830 /-

E-F	374 - 2066	I-J	393 - 2592
Maximu	ım Bot Chord F	orces Per	Ply (lbs)
Chords	Tens.Comp.	Chords	Tens. Comp.

389 - 2234

/RL

/164

Tens. Comp. 374 - 2066

389 - 2234

325 - 2528

2024

2026

- 165

- 164

H - I

M - L

B - O 2026 - 174 O - N 2024 - 175 N - M 2272 - 233

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. E - N 808 M - G 808 -62



Flor 01/20/2025 ate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING TO HE INSTALLERS

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SEQN: 29688 / HIPS Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T42 / Ply: 1 FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.25954 Qty: 1 Truss Label: A3 42' Stepdown Hip SSB / WHK 04/29/2025 14'10"4 31'10' 36'11 5'1" 4'8"4 6'1"12 5'1"12 4'8"4 5'1" =3X6 ≡5X6 E ∥1.5X3 ≡3X4 G H **∥1.5X3** =5X6 **∥1.5X3** (a) Q ≡7X10 **B2** P ≡7X10 _0 ≡3X4 \equiv 4X6(B2) ±4X6(B2) 42' 9'9"4 9'9"4 5'2"12 12' 5'2"12 15' 27 36'9"4 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity Wind Std: ASCE 7-22 Ct: NA CAT: NA TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Speed: 130 mph TCDL: 7.00 Pf: NA Ce: NA VERT(LL): 0.181 G 999 360 Enclosure: Closed VERT(CL): 0.305 G 999 240 BCI I · 0.00 Lu: NA Cs: NA Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.068 L EXP: B Kzt: NA HORZ(TL): 0.115 L Des Ld: 37.00 Mean Height: 15.00 ft **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 4.2 psf FBC 8th Ed. 2023 Res. Max TC CSI: 0.468 Soffit: 2.00 BCDL: 5.2 psf TPI Std: 2014 Max BC CSI: 0.720 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Rep Fac: No Max Web CSI: 0.442 Spacing: 24.0 " C&C Dist a: 4.20 ft FT/RT:20(0)/10(0) Loc. from endwall: not in 6.50 ft Plate Type(s): GCpi: 0.18 Wind Duration: 1.60 <u>WA</u>VE

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP SS Dense; B2 2x6 SP #1; Webs: 2x4 SP #3;

Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

VIEW Ver: 24.02.00C.1213.15

Loc R+	· / R-	/Rh	/ Rw	/ U	/ RL	
B 197	3 /-	/-	/842	/102	/137	
M 197	3 /-	/-	/842	/102	/-	
Wind re	actions b	ased on I	MWFRS			
B Brg	Wid = 6.	0 Min I	Req = 2.0	(Truss	s)	
M Brg	Wid = 6.	0 Min I	Req = 2.0	(Truss	s)	
Bearing	sB&Ma	are a rigid	l surface.			
Members not listed have forces less than 375#						
Iviember	S HOL HST	eu nave i	orces les	s man a	5/5#	
1110111001		hord Fo				
Maximu	ım Top C		rces Per	Ply (lb	s)	
Maximu	ım Top C	hord Fo mp.	rces Per	Ply (lb	s)	
Maximu Chords	m Top C Tens.Co	hord Foomp. 2878	rces Per Chords	Ply (lb: Tens.	s) Comp.	
Maximu Chords B - C	Im Top C Tens.Co 358 -	chord Fo omp. 2878 2813	rces Per Chords H - I	Ply (lb: Tens. 457	S) Comp. - 2724	
Maximu Chords B - C C - D	358 - 341 -	Chord Foomp. 2878 2813 2755	rces Per Chords H - I I - J	Ply (lb: Tens. 457 462	comp. - 2724 - 2733	
Maximu Chords B - C C - D D - E	358 - 341 - 423 -	2878 2813 2755 2733	rces Per Chords H - I I - J J - K	Ply (lb: Tens. 457 462 423	- 2724 - 2733 - 2755	

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B-R R-Q	2255 2068		P - O O - M	2068 2255	
Q - P	2888	- 309			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
E 0	1150 1/6	ВΙ	1150 146		



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SEQN: 29690 / HIPS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T41 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25971 Truss Label: A4 42' Stepdown Hip SSB / WHK 04/29/2025 8'2" 14'10"4 27'1"12 33'10" 42' 8'2" 6'8"4 6'1"12 5'1"12 6'8"4 8'2" =3X6≡5X6 D ∥1.5X3 ∥1.5X3 H =5X6 ≡3X4 F G 6'0"3 (a) 6'8"14 **₹3**X4 <u>† 6"</u>1# P ∥1.5X3 _7X10 B2 N ≡7X10 M ∥1.5X3 42 8'0"4 6'11"12 12' 6'11"12 8'0"4 8'0"4 15' 27' 33'11"12 42' ▲ Maximum Reactions (lbs) Gravity Non-Gravity R+ /R /Rh /Rw /U /RL 1873 /-/827 /106 /110 /827 /106 /-1873 ind reactions based on MWFRS

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	l
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.211 F 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.369 F 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.067 K	
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.118 K	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.581	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.862	l
Spacing: 24.0 "	C&C Dist a: 4.20 ft	Rep Fac: No	Max Web CSI: 0.507	l
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	l
Lumber				•

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1;

Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

UUL	/ueii	∟/#	l	_				۰ ت	,
F	999	360	Lo	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	999	240	В	1873	/-	/-	/827	/106	/110
Κ	-	-	K	1873	/-	/-	/827	/106	/-
Κ	-	-	Wi	nd reac	ctions b	ased on	MWFRS		
			В	Brg V	Vid = 6	.0 Min	Req = 2.2	2 (Truss	s)
581			K	Brg V	Vid = 6	.0 Min	Req = 2.2	2 (Truss	s)
362			Be	arings l	В&Ка	are a rigio	d surface.		
			Members not listed have forces less than 375#						
507			Ma	Maximum Top Chord Forces Per Ply (lbs)					

D-E

E-F

F-G

Chords Tens.Comp.

C-D

Maximum Bot Chord Forces Per Ply (lbs)

595 - 2755

412 - 2576

558 - 3088

551 - 3076

552 - 3076

Chords	Tens.C	Comp.	Chords	Tens. Comp.		
B - P	2063	- 226	N - M	2058	- 214	
P - O	2058	- 228	M - K	2064	- 213	
O - N	3263	- 431				

Chords

H - I

I-J

J-K

Tens. Comp.

412 - 2576

558 - 3088

595 - 2755

Maximum Web Forces Per Ply (lbs)

vveus	rens.comp.		Webs	rens. Comp.		
D - O E - O		- 220 - 391	N - H N - I		- 391 - 220	



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SEQN: 29673 / HIPS Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 Ply: 2 T39 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24438 Truss Label: A5 42' Stepdown Hip Girder SSB / WHK 04/29/2025 2 Complete Trusses Required 6'2' 13'9"10 21 28'2"6 35'10' 42 6'2' 7'7"10 7'2"6 6'2"6 7'7"10 6'2' 3X6 **∌6X8** D ≡3X4 E **∥2X**4 ≡3X4 H F G 4'8"3 **∌3X4 ≷3**X4 5'4"14 <u>6</u>"1≱ R Q ≡4X6 S ⊪1.5X3 =4X6 **∥3X6(C4)** M ∥1.5X3 ∭3X6(C4) ≡3X4(C4) **≡3X10** =3X6 =3X6 5'8"4 7'5"14 6'3"12 1'6"2 7'5"14 1'6"2 5'8"4 6'3"12 1'5" 13'6'2 30' 35'8"4 6'3"12 12' 21 28'5"14 42 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-22 Ct: NA CAT: NA Gravity TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Loc R+ /Rh /Rw / U /RL Speed: 130 mph TCDL: 7.00 Pf: NA VERT(LL): 0.294 F 999 360 Ce: NA Enclosure: Closed VERT(CL): 0.566 F BCII: 0.00 Lu: NA Cs: NA 879 240 В 3058 /131 /-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.078 J 3058 /-/-/131 EXP: B Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.151 J Des Ld: 37.00 Mean Height: 15.00 ft Brg Wid = 6.0Min Reg = 1.8 (Truss) В **Building Code:** Creep Factor: 2.0 NCBCLL: 0.00 TCDL: 4.2 psf Brg Wid = 6.0 Min Req = 1.8 (Truss) FBC 8th Ed. 2023 Res. Max TC CSI: 0.701 Soffit: 2.00 BCDL: 5.2 psf Bearings B & K are a rigid surface. TPI Std: 2014 Max BC CSI: 0.648 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: No Max Web CSI: 0.615 Spacing: 24.0 ' C&C Dist a: 4.20 ft Maximum Top Chord Forces Per Ply (lbs) Loc. from endwall: NA FT/RT:20(0)/10(0) Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 VIEW Ver: 24.02.00C.1213.15 92 - 2321 130 - 3698 Wind Duration: 1.60 <u>WA</u>VE C - D 85 - 2287 H - I 114 - 3245 Lumber D-E 114 - 3245 I - J 85 - 2287 Top chord: 2x4 SP #1; E-F 130 - 3698 92 - 2321 Bot chord: 2x4 SP #1: F-G 130 - 3698 Webs: 2x4 SP #3; Slider: 2x4 SP #3; block length = 1.958' Maximum Bot Chord Forces Per Ply (lbs) Rt Slider: 2x4 SP #3; block length = 1.958' Chords Tens.Comp. Chords Tens. Comp. Nailnote B-S 1853 - 66 P - O 3289 - 121 Nail Schedule:0.128"x3", min. nails S - R 1859 - 64 O - N 1859 -64 Top Chord: 1 Row @12.00" o.c. R - 0 1859 - 64 N - M 1859 -64 Bot Chord: 1 Row @12.00" o.c. Q-P 3289 1853 -66 - 121 M - K :1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting. Maximum Web Forces Per Ply (lbs)

#1 hip supports 6-2-0 jacks with no webs.

Left side jacks have 6-2-0 setback with 0-0-0 cant and 1-6-15 overhang. End jacks have 6-2-0 setback with 0-0-0 cant and 1-6-15 overhang. Right side jacks have 6-2-0 setback with 0-0-0 cant and 1-6-15 overhang.

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.



Webs	Tens.Comp.		/ebs Tens.Con		Webs	Tens. (Comp.
D-Q	1613	- 58	P - H	479	- 11		
Q-E	108	- 672	H - O	108	- 672		
E-P	479	- 11	O-I	1613	- 58		

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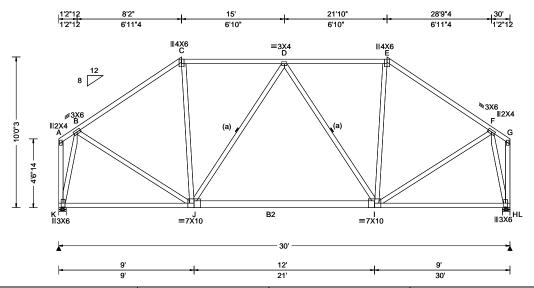
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SEQN: 29715 / HIPS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T28 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25078 Truss Label: B1 30' Stepdown Hip SSB / WHK 04/29/2025



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.036 D 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.062 D 999 240	K 1293 /- /- /578 /9 /104
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 H	L 1293 /- /- /578 /9 /-
Des Ld: 37.00 EXP: B Kzt: NA		HORZ(TL): 0.020 H	Wind reactions based on MWFRS
NCBCLL: 10.00 Mean Height: 17.39 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	K Brg Wid = 6.0 Min Req = 1.5 (Truss)
Soffit: 2.00 BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.374	L Brg Wid = 6.0 Min Req = 1.5 (Truss)
Load Duration: 1.25 MWFRS Parallel Dist: h to 2	TPI Std: 2014	Max BC CSI: 0.837	Bearings K & L are a rigid surface. Members not listed have forces less than 375#
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.734	Maximum Top Chord Forces Per Ply (lbs)
Loc. from endwall: not in 9.	oft FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
GCpi: 0.18	Plate Type(s):		
Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	B-C 304-1198 D-E 297 -931
Lumbar		•	C-D 297 -931 E-F 304 -1198

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp.

1057 - 245

706 - 95

B - J

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. K - B 353 - 1405 I-F 706 - 95 F-H - 1406

353



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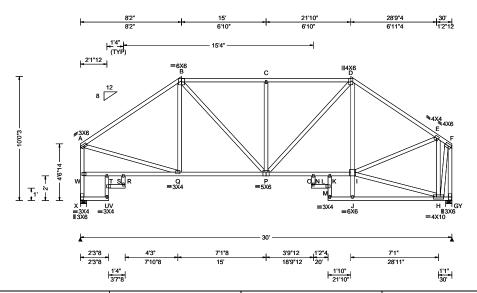
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 29718 / HIPS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T12 / FROM: RJL Qty: 3 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25156 Truss Label: B2 30' Stepdown Hip SSB / WHK 04/29/2025



	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
	TCLL: 20.00	Wind Std: ASCE 7-22	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
	TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.075 R 999 360	Loc R+ /R- /Rh /Rw /U /RL
	DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.214 R 999 240	X 1283 /- /- /578 /9 /104
		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 H	Y 1283 /- /- /578 /9 /-
	Dec 1 d: 37 00	EXP: B Kzt: NA		HORZ(TL): 0.079 M	Wind reactions based on MWFRS
	NODOLL, 40 00	Mean Height: 17.39 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	X Brg Wid = 6.0 Min Req = 1.5 (Truss)
	0 - 40:4-	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.934	Y Brg Wid = 6.0 Min Req = 1.5 (Truss)
		MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.484	Bearings X & Y are a rigid surface. Members not listed have forces less than 375#
	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.613	Maximum Top Chord Forces Per Ply (lbs)
		Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
		GCpi: 0.18	Plate Type(s):		
		Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	A - B 333 - 1420 C - D 432 - 1353 B - C 432 - 1353 D - E 347 - 1418
- [1				-B-C 432-1303 D-E 347-1416

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Comp	
Q - P	1093	- 200	N - K	1093	- 191
P - N	1096	- 196	K - I	1101	- 189

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - W	282 - 1222	P - D	484 - 144	
A - Q	1088 - 191	I-E	831 - 142	
X - W	264 - 1252	E - H	329 - 1213	
B - P	413 - 139	H - F	1265 - 247	
C-P	277 - 408	F-G	221 - 1311	



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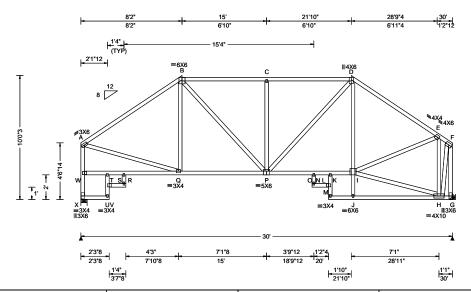
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SEQN: 29756 / HIPS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T1 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25236 Truss Label: B2a 30' Stepdown Hip SSB / WHK 04/29/2025



Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
Pf: NA Ce: NA	VERT(LL): 0.075 R 999 360	Loc R+ /R- /Rh /Rw /U /RL
Lu: NA Cs: NA	VERT(CL): 0.214 R 999 240	X 1283 /- /- /578 /9 /104
Snow Duration: NA	HORZ(LL): 0.033 H	G 1283 /- /- /578 /9 /-
	HORZ(TL): 0.079 M	Wind reactions based on MWFRS
Building Code:	Creep Factor: 2.0	X Brg Wid = 6.0 Min Req = 1.5 (Truss)
FBC 8th Ed. 2023 Res.	Max TC CSI: 0.934	G Brg Wid = - Min Req = - Bearing X is a rigid surface.
TPI Std: 2014	Max BC CSI: 0.484	Members not listed have forces less than 375#
Rep Fac: No	Max Web CSI: 0.613	Maximum Top Chord Forces Per Ply (lbs)
FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
Plate Type(s):		<u> </u>
WAVE	VIEW Ver: 24.02.00C.1213.15	A - B 333 - 1420 C - D 432 - 1353 B - C 432 - 1353 D - E 347 - 1418
ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No ft FT/RT:20(0)/10(0) Plate Type(s):	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Sulding Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): Pf. NA Ce: NA VERT(LL): 0.075 R 999 360 VERT(CL): 0.214 R 999 240 VERT(CL): 0.033 H - HORZ(LL): 0.079 M - Creep Factor: 2.0 Max TC CSI: 0.934 Max BC CSI: 0.484 Max Web CSI: 0.613

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Plating Notes

All plates are 1.5X3 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
Q-P	1093 - 200	N-K	1093 - 191	
P - N	1096 - 196	K-I	1101 - 189)

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - W	282 - 1222	P - D	484 - 144	
A - Q	1088 - 191	I-E	831 - 142	
X - W	264 - 1252	E - H	329 - 1213	
B - P	413 - 139	H - F	1265 - 247	
C-P	277 - 108	F - C	221 - 1311	



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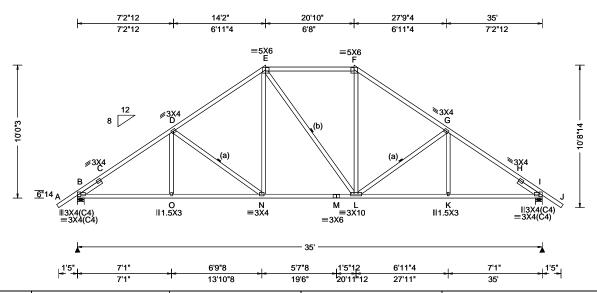
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SEQN: 30619 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T17 / FROM: RJL DrwNo: 119.25.1524.25407 Qty: 5 BORCHARDT RESIDENCE Truss Label: C1 35' Common SSB / WHK 04/29/2025



Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

▲ Ma	xımı	ım Kea	ections	(IDS)			
	G	ravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
B 1	522	/-	/-	/721	/-	/184	
1 1	510	/-	/-	/721	/-	/-	
Wind	read	tions b	ased on	MWFRS			
ВЕ	Brg W	/id = 6	.0 Min	Req = 1.8	3 (Trus	s)	
I E	Brg V	/id = 6	.0 Min	Req = 1.8	(Trus	s)	
Beari	ngs I	3 & I ai	e a rigio	l surface.	•	•	
Memb	oers	not list	ed have	forces less	s than :	375#	
Maxii	mum	Top (hord F	orces Per	Ply (lb	s)	
Chord	ds T	ens.C	omp.	Chords	Tens.	Ćomp.	
B-C		389 -	2183	F-G	284	- 1641	
_				-			
D-E		285 -	1670	H-I		- 2175	
	Loc B 1 I 1 Wind B E Bearin Memb Maxii Chord B - C C - D	B 1522 I 1510 Wind read B Brg W I Brg W Bearings B Members Maximum Chords T B - C C - D	Cravity	Gravity	Loc R+	Gravity	

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	omp.	Chords	Tens. C	omp.		
B - O	1606	- 90	M - L	1288	- 20		
O - N	1603	- 90	L-K	1588	- 94		
N - M	1288	- 20	K-I	1590	- 94		

281 - 1273

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.Co	mp.	Webs	Tens. (Comp.			
N - E	492	0	L-G	92	- 382			
F-L	455	0						



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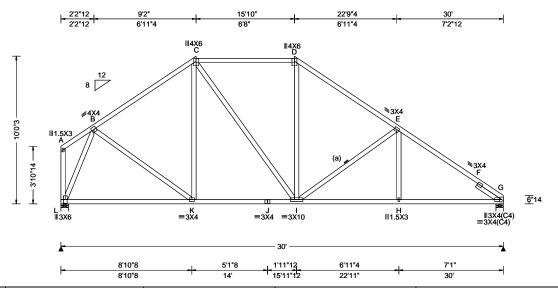
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SEQN: 30621 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T29 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24876 Qty: 1 Truss Label: C1s 30' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (It	bs)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.043 I 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.078 I 999 240	L 1242 /- /-	/565 /- /172
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 G	G 1222 /- /-	/625 /- /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.041 G	Wind reactions based on M	//WFRS
NCBCLL: 10.00	Mean Height: 15.39 ft	Building Code:	Creep Factor: 2.0	L Brg Wid = 6.0 Min F	Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.532	G Brg Wid = 6.0 Min F	
Load Duration: 1.25	BCDL: 5.2 psf MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.579	Bearings L & G are a rigid	
Spacing: 24.0 "		Rep Fac: No	Max Web CSI: 0.752	Members not listed have for	
Spacing. 24.0	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord For	
	Loc. from endwall: not in 9.00 ft	\ , \ ,		Chords Tens.Comp. C	Chords Tens. Comp
	GCpi: 0.18	Plate Type(s):		B - C 240 - 1167 E	E-F 222 -169
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15		E-F 222 - 108 F-G 399 - 189
Lumbor				C-D 2/0 -999 F	-

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Rt Slider: 2x4 SP #3; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

		_		•	·	_	
ction in loc L/defl L/#		G	ravity		No	on-Gra	ıvıt
): 0.043 l 999 360	Loc	R+	/ R-	/ Rh	/Rw	/ U	/
.): 0.078 l 999 240	L	1242	/-	/-	/565	/-	/
): 0.023 G	G	1222	/-	/-	/625	/-	/
.): 0.041 G	Win	d reac		sed on M	WFRS		
ctor: 2.0				Min R			
CSI: 0.532	G	Brg W	/id = 6.0	Min R	eq = 1.5	ī (Trus	ss)

C - D 270 - 999 D-E 267 - 1313

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

L-K	517	- 69	I-H	1346	- 110
K - J	884	- 12	H-G	1348	- 110
J - I	884	- 12			

Tens. Comp.

399 - 1890

222 - 1695

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. Comp.
L-B	233 - 1298	I-E	99 - 424
B - K	459 - 5		



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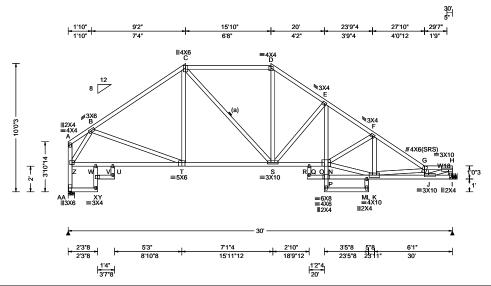
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SEQN: 30597 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T46 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24453 Qty: 1 Truss Label: D1 30' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.119 O 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.292 U 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 C	
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.120 C	
NCBCLL: 10.00	Mean Height: 16.11 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.446	
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.683	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.805	
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	I
Lumbor	•	•	•	-

	▲ Maxir	num Rea	actions (l	lbs)		
		Gravity		Non-Gravity		
	Loc R	/ R-	/ Rh	/ Rw	/ U	/ RL
	AA 123	6 /-	/-	/570	/-	/148
	I 119	9 /-	/-	/594	/-	/-
	Wind re	actions b	ased on I	MWFRS		
	AA Brg	Wid = 6	.0 Min	Req = 1.5	(Trus	s)
	I Brg	Wid = -	Min	Req = -		
	Bearing	AA is a	rigid surfa	ice.		
	Member	rs not list	ed have f	orces les	s than	375#
Maximum Top Chord Forces Per Ply (lbs)						os)
	Chords	Tens.C	omp.	Chords	Tens.	Comp.
	B-C	261 -	1446	E-F	336	- 2132
	C-D	297 -	1245	F-G	311	
	D-E	311 -	1552	G - H	378	- 2697

Lumbei

Top chord: 2x4 SP #1;

Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; W18 2x4 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
Z - W	835	- 88	S-Q	1718	- 170
W - V	831	- 93	Q - N	1677	- 163
V - T	827	- 111	K-J	3143	- 460
T-S	1107	- 66			

Maximum Web Forces Per Ply (lbs)

rens.comp.	webs	rens. Comp.
190 - 1210	N-K	1790 - 212
330 - 1458	K-G	249 - 1348
501 - 1	G-J	218 - 1173
116 - 719	J - H	2867 - 400
685 - 66	H - I	179 - 1108
	190 - 1210 330 - 1458 501 - 1 116 - 719	190 - 1210 N - K 330 - 1458 K - G 501 - 1 G - J 116 - 719 J - H

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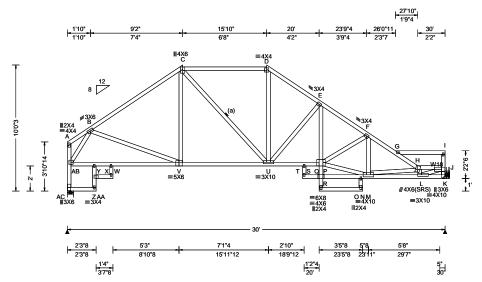
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.			
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.124 G 999 360	L			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.291 W 999 240	1			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.060 C	k			
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.117 C	١			
NCBCLL: 10.00	Mean Height: 16.11 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	1.			
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.446	K			
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.702	E			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.713	"			
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		l "			
	GCpi: 0.18	Plate Type(s):		↓ `			
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	E			
Lumbar							

	A Ma	vimu	m Dos	ctions	/lhe\		
	■ IVIa			icuons		lon-Gra	s dita
			ravity				
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	AC 1	236	/-	/-	/572	/-	/127
	K 1	199	/-	/-	/575	/-	/-
	Wind	reac	tions b	ased or	n MWFRS	;	
	AC E	3rg W	/id = 6	.0 Mir	n Req = 1	.5 (Trus	ss)
	KE	3rg W	/id = -	Mir	n Req = -		
	Beari	ng A	Cisaı	rigid sur	face.		
	Mem	bers i	not list	ed have	forces les	ss than	375#
	Maxi	mum	Top (Chord F	orces Pe	r Ply (lk	os)
	Chore	ds T	ens.Co	omp.	Chords	Tens.	Comp.
_	B-C		272 -	1446	E-F	367	- 2135
_	C-D				F-G	330	- 2155
	ь г		200	4554	0 11	000	0440

T27 /

04/29/2025

Lumber

Top chord: 2x4 SP #1;

Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; W18 2x4 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind loads based on MWFRS with additional C&C

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



D-E 326 - 1551 G-H 362 - 2149 Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. AB- Y 835 - 124 U-S 1717 - 216 S-P Y - X 831 - 130 1676 - 207 X - V 827 - 130 M - L 2984 - 470 V - U 1107 - 104

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. Comp.
AC-AB	196 - 1210	M - H	198 - 1180
AB- B	315 - 1459	H-L	185 - 962
D - U	500 -9	H - J	407 - 2547
U-E	131 - 717	L-J	2866 - 389
E - P	693 - 91	J - K	213 - 1112
P - M	1796 - 272		

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

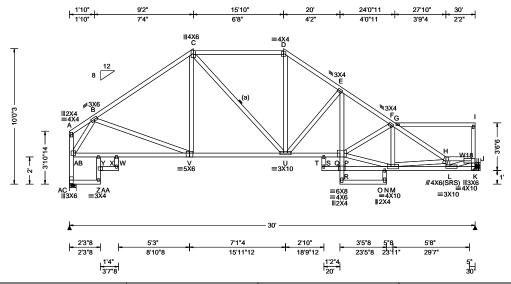
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SEQN: 30611 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T22 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24985 Qty: 1 Truss Label: D1b 30' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.11 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.113 Q 999 360 VERT(CL): 0.291 W 999 240 HORZ(LL): 0.059 C HORZ(TL): 0.116 C Creep Factor: 2.0 Max TC CSI: 0.446 Max BC CSI: 0.641 Max Web CSI: 0.677	Gravity Loc R+ /R- /Rh / AC 1236 /- /- /5 K 1199 /- /- /5 Wind reactions based on MWF AC Brg Wid = 6.0 Min Req : K Brg Wid = - Min Req : Bearing AC is a rigid surface. Members not listed have forces Chords Tens.Comp. Chor
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	B-C 288-1446 E-F C-D 324-1245 F-G
Lumber				

Gravity					Non-Gravity			
	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
)	AC	1236	/-	/-	/575	/-	/114	
	K	1199	/-	/-	/555	/-	/-	
	Win	d reac	tions bas	sed on	MWFRS			
	AC	Brg W	/id = 6.0	Min	Req = 1.5	(Trus	s)	
	K	Brg W	/id = -	Min	Req = -			
	Bea	ring A	C is a rig	id surf	ace.			
	Mer	nbers	not listed	l have	forces less	than 3	375#	
	Max	imum	Top Ch	ord Fo	orces Per	Ply (lb	s)	
	Cho	rds T	ens.Con	ıp.	Chords	Tens.	Ćomp.	
_	В-(С	288 - 14	146	E-F	405	- 2128	
	C - I	D	324 - 12	245	F-G	344	- 2053	
	D - I	E	350 - 15	553	G - H	389	- 2084	

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1:

Webs: 2x4 SP #3; W18 2x4 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



1	AC	1236	/-	/-	/575	/-	/114	
ı	K	1199	/-	/-	/555	/-	/-	
ı	Win	id rea	ctions	based of	on MWFRS			
ı	AC	Brg \	Nid =	6.0 M	in $Req = 1.5$	5 (Trus:	s)	
ı	K	Brg \	Nid =	- M	in Req = -			
ı	Bea	ring A	AC is a	a rigid su	ırface.			
ı	Members not listed have forces less than 375#							
	Maximum Top Chord Forces Per Ply (lbs)							
ı	Max	cimur	n Top	Chord	Forces Per	Ply (lb	s)	
					Forces Per Chords		•	
		ords '	Tens.0				•	
	Cho	ords ·	Tens.0 288	Comp.	Chords E - F	Tens.	Ćomp.	
	Cho B -	ords [*] C D	Tens.0 288 324	Comp. - 1446	Chords E - F	Tens. 405	Comp. - 2128 - 2053	

Maximum Bot Chord Forces Per Ply (lbs)

Chorus	rens. Comp.	
AB- Y Y - X	20 - 285 79 - 275	
X - V V - U	49 - 441	
	+9	

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. Comp.	
AC-AB	205 - 1210	M - H	102 - 960	,
AB- B	301 - 1458	H-L	194 - 914	
D - U	503 - 23	H - J	350 - 2334	
U-E	161 - 721	L-J	2750 - 425	,
E - P	676 - 110	J - K	257 - 1119	,
P - M	1778 - 337			

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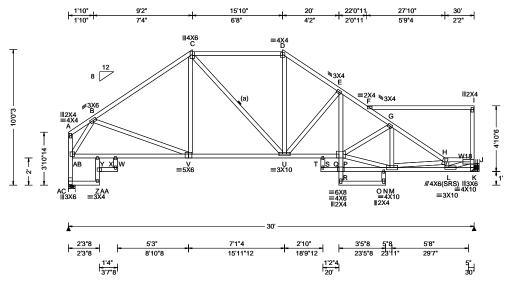
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SEQN: 30613 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T31 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.25406 Qty: 1 Truss Label: D1c 30' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.133 F 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.291 W 999 240	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.057 C	ŀ
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.115 C	١
NCBCLL: 10.00	Mean Height: 16.11 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	1
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.769	K
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.621	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.648	ľ
, -	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		["
	GCpi: 0.18	Plate Type(s):		↓ }
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	E
				٠(

▲ Maximum Reactions (lbs)							
	Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
AC	1236	/-	/-	/580	/-	/112	
K '	1199	/-	/-	/538	/20	/-	
Wind	d read	tions b	ased or	MWFRS			
AC	Brg W	/id = 6	.0 Mir	Req = 1.	5 (Trus	s)	
K	Brg W	/id = -	Mir	n Req = -			
Bear	ing A	Cisa	rigid sur	face.			
Mem	bers	not list	ed have	forces les	s than	375#	
Max	imum	Top (Chord F	orces Per	Ply (lb	s)	
Chor	rds T	ens.Co	omp.	Chords	Tens.	Comp.	
В-С	;	309 -	1447	E-F	430	- 2044	
C - E)	346 -	1243	F-G	488	- 2127	
D - E		382 -	1560	G-H	415	- 2004	

Lumber

Top chord: 2x4 SP #1;

Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; W18 2x4 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind loads based on MWFRS with additional C&C

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		ens.Comp. Chords		Tens. Comp.		
AB- Y	835	- 209	U-S	1731	- 368		
Y - X	830	- 217	S-P	1691	- 356		
X - V	827	- 236	M - L	2629	- 457		
V - U	1107	- 201					

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. v	comp.
AC-AB	216 - 1210	M - H	89	- 915
AB- B	289 - 1458	H-L	197	- 859
D - U	520 -48	H - J	365	- 2257
U - E	205 - 741	L-J	2594	- 436
E - P	602 - 90	J - K	299	- 1122
P - M	1700 - 364			

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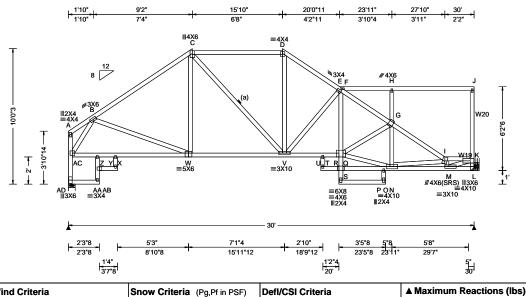
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SEQN: 30615 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T23 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.25281 Qty: 1 Truss Label: D1d 30' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	s)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.115 R 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.291 X 999 240		/586 /- /111
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.059 C	L 1199 /- /-	/543 /47 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.116 C	Wind reactions based on M	WFRS
NCBCLL: 10.00	Mean Height: 16.11 ft	Building Code:	Creep Factor: 2.0	AD Brg Wid = 6.0 Min Re	eq = 1.5 (Truss)
0-454	TCDL: 4.2 psf BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.446	L Brg Wid = - Min Re	- 1
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.661	Bearing AD is a rigid surface	
	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.680	Members not listed have for	
opasing. 2 1.0	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Ford	
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. Cl	hords Tens. Comp
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15		- F 500 - 201 - G 522 - 204
Lumber				U-D 3/4-1240 F	- 6 322 - 204

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1:

Webs: 2x4 SP #3; W19,W20 2x4 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind loads based on MWFRS with additional C&C

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

B-C C-D	332 - 1446	E-F	500	- 2015
C-D	374 - 1245	F-G	522	- 2040
D-E	404 - 1550	G - I	602	- 2150

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords AC-Z 835 - 253 1715 - 435 T - Q - 262 1674 - 422 831

			s Per Ply (I	bs)	_
W - V	1107	- 253			
Y - W	827	- 291	N - M	2828	- 706
	٠.			.0	

Webs	Tens.Comp.	Webs	Tens. Comp.
AD-AC	228 - 1210	N - I	202 - 1032
AC-B	280 - 1459	I - M	283 - 928
D - V	496 - 42	I-K	594 - 2457
V - E	216 - 713	M - K	2778 - 672
E-Q	685 - 174	K-L	331 - 1115
Q - N	1786 - 502		



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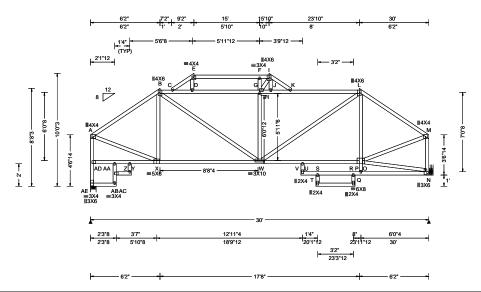
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SEQN: 30617 / SPEC Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T45 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24642 Truss Label: D1e 30' Special SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.172 K 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.308 K 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.056 I	
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.102 I	
NCBCLL: 10.00	Mean Height: 17.39 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.738	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.575	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.526	
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	
				_

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Plating Notes

All plates are 1.5X3 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

PSF)	Defl/CSI Criteria			▲ M	aximu	ım Rea	ctions (lbs)		
: NA	PP Deflection in loc L	/defl	L/#		G	ravity		No	on-Gra	vity
NA	VERT(LL): 0.172 K			Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
	VERT(CL): 0.308 K			AE	1285	/-	/-	/574	/-	/102
	HORZ(LL): 0.056 I	-	-	N	1285	/-	/-	/572	/-	/-
	HORZ(TL): 0.102 I	-	-	Win	d read	ctions b	ased on	MWFRS		
	Creep Factor: 2.0			ΑE	Brg V	Vid = 6.	.0 Min	Req = 1.5	(Trus	s)
	Max TC CSI: 0.738						Min			
	Max BC CSI: 0.575				•		igid surfa			
	Max Web CSI: 0.526			_				orces les		
								rces Per		•
				Cho	rds 1	Tens.Co	omp.	Chords	Tens.	Com
	VIEW Veri 24 02 000	1040	15	Δ.	R	306 -	1368	H - I	628	- 17

0110100	rono.comp.	Onlordo	10110.	Oump.
A - B	306 - 1368	H - J	628	- 1787
B - C	493 - 1651	J - K	633	- 1789
C - D	519 - 1635	K-L	499	- 1664
D - G	510 - 1621	L - M	332	- 1391
G - H	510 - 1621			

/RL

/102

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	Comp.
X - W	1084 - 204	U - O	1098	- 220
W - U	1103 - 225			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A -AD	272 - 1257	F-H	409 - 647
A - X	1139 - 204	W - L	772 - 204
AE-AD	263 - 1262	O - M	1153 - 232
B - W	797 - 232	M - N	287 - 1237
G - W	358 - 604		



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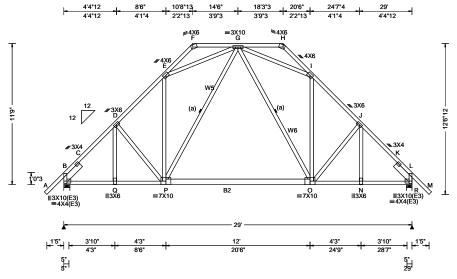
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SEQN: 30041 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T33 / Qty: 7 FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24625 Truss Label: E1 29' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.043 O 999 360	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.076 O 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 K	ı
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.075 K	
NCBCLL: 10.00	Mean Height: 15.67 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.360	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.733	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.715	
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	I
Lumber				_

▲ Ma:	κimι	ım Re	actions ((lbs)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
B 1	414	/-	/-	/624	/-	/237
R 1	414	/-	/-	/624	/-	/-
Wind	reac	tions b	oased on	MWFRS		
В В	rg V	/id = 6	.0 Min	Req = 1.7	7 (Trus	s)
R B	rg V	/id = 5	5.5 Min	Req = 1.7	7 (Trus	s)
Beari	ngs I	3 & R	are a rigi	d surface.	•	•
Memb	ers	not list	ted have	forces les	s than	375#
Maxir	num	Top	Chord Fo	orces Per	Ply (lb	s)
Chord	ls T	ens.C	omp.	Chords	Tens.	Ćomp.
B-C		241 -	1554	11	264	- 1412
C-D			1494		201	
D-E			1412	K-L	240	

▲ Maximum Reactions (lbs)

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1; Webs: 2x4 SP #3; W5,W6 2x4 SP #1; Lt Slider: 2x6 SP #1; block length = 1.958' Rt Slider: 2x6 SP #1; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords B - Q 968 O - N 968 - 36 N-L Q - P 968 - 44 968 -37 P - O 848 0

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. E - G G - I 192 - 849 192 - 849



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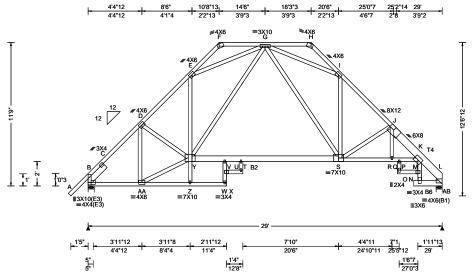
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SEQN: 34730 COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T37 FROM: RJL Qty: 2 BORCHARDT RESIDENCE DrwNo: 119.25.1735.55547 Truss Label: E2 29' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.173 T 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.373 T 929 240	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.159 L	1
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.225 L	۷
NCBCLL: 10.00	Mean Height: 15.67 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.425	A
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.691	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.778	N
' -	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		۱"
	GCpi: 0.18	Plate Type(s):] =
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	E
				- (

Lumber

Top chord: 2x4 SP #1; T4 2x8 SP SS Dense; Bot chord: 2x4 SP #1; B2,B6 2x6 SP #1; Webs: 2x4 SP #3; Lt Slider: 2x6 SP #1; block length = 1.958'

Plating Notes

All plates are 1.5X3 except as noted.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

	▲ Maxir	num Rea	ctions (I	bs)		
		Gravity		No	on-Grav	vity
,	Loc R+	- /R-	/ Rh	/ Rw	/ U	/ RL
١	B 125	3 /-	/-	/622	/49	/252
	AB 116	0 /-	/-	/617	/32	/-
	Wind re	actions b	ased on I	MWFRS		
	B Brg	Wid = 6.	0 Min	Req = 1.5	(Truss	s)
	AB Brg	Wid = 6.	0 Min	Req = 1.5	(Truss	s)
	Bearing	s B & AB	are a rig	id surface).	
	Member	rs not liste	ed have f	orces less	s than 3	375#
	Maximu	ım Top C	hord Fo	rces Per	Ply (lb	s)
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.
-	B-C	240 -	1367	l - J	264	- 1506
	G-0			J - K	247	- 1702
	D-E	266 -		K-L	120	- 842
		_00				J

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.		Chords	Tens. Comp.			
B -AA	843	-77	S-R	1534	- 146		
Y - V	884	-8	R-P	1541	- 148		
V - U	877	- 13	P-K	1483	- 140		
U-S	868	- 25					

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D-AA 63 E - G 194 - 926 AA-Y 964 - 69 G - I 209 - 894 Y - G 386 S-J 140 -620



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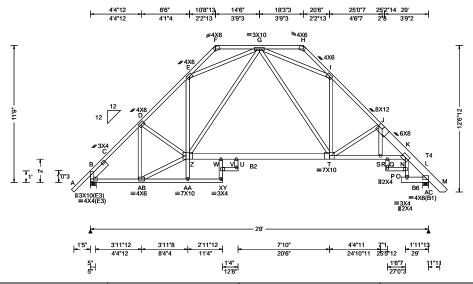
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SEQN: 34725 COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T20 Qty: 6 FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1735.59623 Truss Label: E2a 29' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	T
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.140 U 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.372 U 931 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.122 L	
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 15.67 ft		HORZ(TL): 0.217 L	
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.408	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.689	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.776	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	
Lumber				-

L	u	m	ıb	е	r

Top chord: 2x4 SP #1; T4 2x8 SP SS Dense; Bot chord: 2x4 SP #1; B2,B6 2x6 SP #1; Webs: 2x4 SP #3; Lt Slider: 2x6 SP #1; block length = 1.958'

Plating Notes

All plates are 1.5X3 except as noted.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

	▲ Maxim	ıum Rea	ctions (lbs)		
	Gravity			Non-Gravity		
)	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	B 1251	l /-	/-	/622	/48	/237
	AC 1255	5 /-	/-	/631	/47	/-
	Wind rea	actions b	ased on	MWFRS		
	B Brg	Wid = 6.	0 Min	Req = 1.5	(Trus	s)
	AC Brg	Wid = 6.	0 Min	Req = 1.5	(Trus	s)
	Bearings	B & AC	are a rig	id surface). `	•
	Members	s not liste	ed have f	orces less	s than 3	375#
	Maximu	m Top C	hord Fo	rces Per	Ply (lb	s)
	Chords	Tens.Co	mp.	Chords	Tens.	Ćomp.
_	B-C	240	1364	I - J	243	- 1494
	C-D			J - K	222	- 1686
	D-F	243 -		J - К К - L	160	- 841
	υ-⊏	243 -	1023	N - L	UOU	- 041

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	omp.	Chords	Tens. C	Comp.		
B -AB	841	- 45	T-S	1507	- 64		
Z - W	880	0	S - Q	1514	- 66		
W - V	873	0	Q - K	1458	-62		
V T	064	^					

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	Comp.	Webs	Tens. (Comp.		
D -AB	41	- 444	E-G	178	- 923		
AB- Z	962	- 35	G-I	194	- 886		

387

110

- 598



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SEQN: 30002 / FROM: RJL

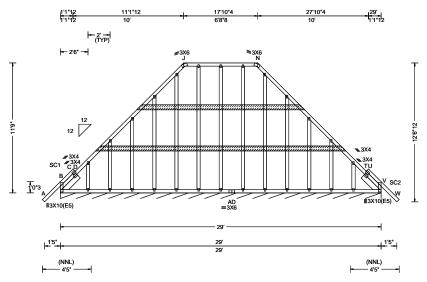
GABL

Ply: 1 Qty: 1

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: E3-DG 29' Gable

Cust: R 857 JRef: 1Y9K8570005 DrwNo: 119.25.1524.24875 SSB / WHK 04/29/2025

T15 /



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.67 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	,	PP Deflection in loc L/defl L/# PP Deflection in loc L/defl L/# VERT(LL): 0.003 L 999 360 VERT(CL): 0.006 L 999 240 HORZ(LL): -0.001 U HORZ(TL): 0.009 H Creep Factor: 2.0 Max TC CSI: 0.190 Max BC CSI: 0.042 Max Web CSI: 0.446 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ /R- /Rh /Rw /U /RL B* 141 /- /- /49 /9 /11 Wind reactions based on MWFRS B Brg Wid = 348 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 169 - 378

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Stack Chord: SC1 2x4 SP #1;

Stack Chord: SC2 2x4 SP #1; Lt Slider: 2x6 SP #1; block length = 1.958' Rt Slider: 2x6 SP #1; block length = 1.958'

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

See DWG GBLDIAG220923 for gable stiffback and diagonal bracing details.

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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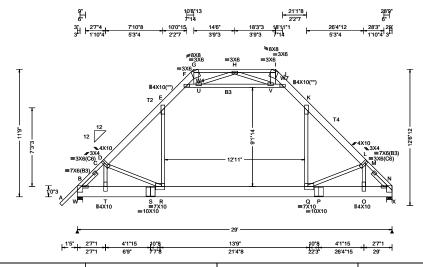
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 30645 / COMN Ply: 2 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T35 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.23750 Qty: 2 Page 1 of 2 Truss Label: G1 29' Common Girder SSB / WHK 04/29/2025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.022.	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): -0.096 Q 999 360
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.205 Q 999 240
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.076 K
Dec 1 d: 37 00	EXP: B Kzt: NA Mean Height: 15.67 ft		HORZ(TL): 0.185 K
NODOLL, O OO	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
0 - 40:4	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.357
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.762
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.444
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15

Lumber

Top chord: 2x4 SP #1; T2,T4 2x8 SP SS Dense; Bot chord: 2x12 SP #2; B3 2x4 SP #1; Webs: 2x4 SP #3; W4,W7 2x6 SP #1; Slider: 2x4 SP #3; block length = 1.958 Rt Slider: 2x4 SP #3; block length = 1.958'

Nailnote

Nail Schedule:0.128"x3", min, nails Top Chord: 1 Row @ 8.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

Opcolar Lot	opeoidi Lodds						
(Lumbe	(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)						
TC: From	60 plf at	-1.62 to	60 plf at	29.00			
TC: From	70 plf at	18.27 to	70 plf at	29.00			
PLT: From	28 plf at	8.04 to	28 plf at	9.93			
PLT: From	20 plf at	9.93 to	20 plf at	19.07			
PLT: From	28 plf at	19.07 to	28 plf at	20.96			
PLT: From		8.04 to	100 plf at	20.96			
BC: From	6 plf at	-1.62 to	6 plf at	0.00			
BC: From	20 plf at	0.00 to	20 plf at	29.00			
TC: 652 lb Conc. Load at 10.73,18.27							
BC: 145 l	lb Conc. Loa	d at 8.04,	20.96				
BC: 4721	lb Conc. Loa	d at 9.19					
BC: 605 I	b Conc. Loa	d at 18.27					

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL W 3552 /-/1079 /58 /250 /-/1313 /41 3911 /-Wind reactions based on MWFRS Brg Wid = 6.0 Min Reg = 2.1 (Truss) Brg Wid = 6.0 Min Req = 2.3 (Truss) Bearings W & X are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 59 - 1168 88 C-D 104 - 1813 J - K 168 - 1575 D-E 132 - 2295 K-L 133 - 2382 E-F 168 - 1529 L-M 113 - 2059

Maximum Bot Chord Forces Per Plv (lbs)

87 - 408

F-G

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - T	1288	-52	Q-P	1427	-60
T-S	1232	- 49	P-0	1427	-60
S - R	1232	- 49	O - N	1478	-63
R - Q	1528	-9			

M - N

61 - 1350

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B-C	42 - 685	U - V	41 - 1561
D - T	31 - 598	V - I	438 - 66
D - R	392 - 88	V - J	149 - 1859
E-R	948 0	Q - K	824 0
F-U	151 - 1993	0 - L	35 - 493
G - U	512 - 67	M - N	48 - 791

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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 30645 / COMN Ply: 2 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T35 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.23750 Qty: 2 Page 2 of 2 Truss Label: G1 29' Common Girder SSB / WHK 04/29/2025

Blocking

Apply additional nailing over the following bearings Apply additional nailing over the following bearings with fasteners at 9" oc perpendicular to grain and 4" oc parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:

Bearing 1 located at 0.0' (blocking >= 3.50" if used)

Bearing 2 located at 28.5' (blocking >= 3.50" if used)



Flored 2022 Flored at Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Ply: 1 Qty: 1

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: G2 29' Common

Cust: R 857 JRef: 1Y9K8570005 T13 / DrwNo: 119.25.1524.25846 SSB / WHK 04/29/2025

Non-Gravity

/RL

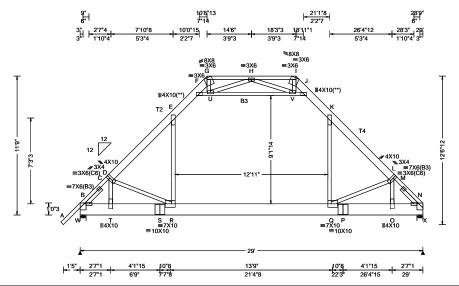
/250

/Rw /U

/628

/612 /41 /-

Chords



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Stid: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.67 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.106 Q 999 360 VERT(CL): 0.237 Q 999 240 HORZ(LL): 0.087 E HORZ(TL): 0.195 E Creep Factor: 2.0 Max TC CSI: 0.405 Max BC CSI: 0.963 Max Web CSI: 0.545 VIEW Ver: 24.02.00C.1213.15	Ļ

Top chord: 2x4 SP #1; T2,T4 2x8 SP SS Dense; Bot chord: 2x12 SP #2; B3 2x4 SP #1; Webs: 2x4 SP #3;

Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Attic room loading from 8-0-8 to 20-11-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls:

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Blocking

Blocking reinforcement required to prevent buckling of members over the bearings: Bearing 1 located at 0.0' (blocking >= 3.50" if used) Bearing 2 located at 28.5' (blocking >= 3.50" if used) C-D 208 - 2173 J - K D-E 264 - 2635

Chords Tens.Comp.

▲ Maximum Reactions (lbs) Gravity

Wind reactions based on MWFRS

Bearings W & X are a rigid surface.

119 - 1423

/Rh

Brg Wid = 6.0 Min Reg = 2.6 (Truss) Brg Wid = 6.0 Min Req = 2.5 (Truss)

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

/R

Loc R+

2218 /-

2112

335 - 1607 K-L 266 - 2639 E-F 336 - 1609 L-M 226 - 2204 G-H 657 M - N 123 - 1446

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.		Cnoras	rens. Comp.	
B-T	1549	- 104	Q-P	1522	- 120
T-S	1485	- 98	P - O	1522	- 120
S - R	1485	- 98	O - N	1584	- 125
R-Q	1699	- 19			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
B-C	83 - 825	H - V	208 - 401	_
D - T	61 - 652	V - I	752 - 133	
E-R	1245 0	V - J	293 - 2437	
F-U	297 - 2444	Q - K	1245 0	
G - U	756 - 135	0 - L	71 - 641	
U - H	213 - 405	M - N	97 - 833	
U - V	83 - 1853			



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SEQN: 30633 / FROM: RJL Page 1 of 2

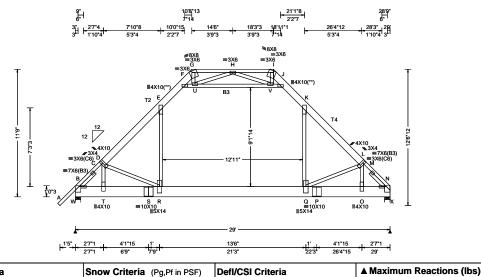
COMN Ply: 5 Qty: 1

Job Number: B60868a BORCHARDT RESIDENCE

Truss Label: G2a 29' Common Girder

Cust: R 857 JRef: 1Y9K8570005 T24 / DrwNo: 119.25.1524.24487 SSB / WHK 04/29/2025

5 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.079 Q 999 360
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.209 Q 999 240
1000L. 10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 E
Dec 1 d 27 00	EXP: B Kzt: NA Mean Height: 15.67 ft		HORZ(TL): 0.164 E
NODOLL, A AA	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
0 - 40'4	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.396
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.673
1	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.562
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15

Lumber

Top chord: 2x4 SP #1; T2,T4 2x8 SP SS Dense; Bot chord: 2x12 SP #2; B3 2x4 SP #1; Webs: 2x4 SP #3;

Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 9.00" o.c. Bot Chord: 1 Row @ 2.75" o.c. : 1 Row @ 4" o.c.

BC: 3750 lb Conc. Load at 21.25

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

In addition, apply (1) 0.22"-0.25" min/max dia. X 4.5"

length wood screw (from each outside face) at each joint location.

Special Loads

Special Loads						
(Lumbe	er Dur.Fac.	=1.25 / Plate	e Dur.Fac.=	1.25)		
TC: From	60 plf at	-1.62 to	60 plf at	29.00		
PLT: From	28 plf at		28 plf at	9.93		
PLT: From	20 plf at	9.93 to	20 plf at	19.07		
PLT: From	28 plf at	19.07 to	28 plf at	20.96		
PLT: From	100 plf at	8.04 to	100 plf at	20.96		
BC: From	6 plf at	-1.62 to	6 plf at	0.00		
BC: From	20 plf at	0.00 to	20 plf at	29.00		
BC: From	330 plf at	2.00 to	330 plf at	21.25		
BC: 1625 I	b Conc. Lo	oad at 2.00				
BC: 2003 I	b Conc. Lo	oad at 8.00				
RC: 145 I	h Conc. La	nad at 8 04	20.96			

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

W 10006 /-/928 8055 /-/1013 /33 Wind reactions based on MWFRS Brg Wid = 6.0 Min Reg = 2.4 (Truss) Brg Wid = 6.0 Min Req = 1.9 (Truss) Bearings W & X are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens.Comp.

Gravity

/R

Loc R+

B-C	18 - 1374	H-I	865	0
C - D	31 - 2077	J - K	58	- 1066
D-E	42 - 2136	K-L	43	- 2140
E-F	58 - 1068	L - M	34	- 1762
G - H	870 - 1	M - N	18	- 1160

Non-Gravity

/RL

/250

/-

/Rw /U

Maximum Bot Chord Forces Per Ply (lbs)

/Rh

Chords	Tens.Comp.		Chords	Tens. C	comp.
B - T	1484	- 15	Q-P	1212	- 17
T - S	1442	- 16	P - O	1212	- 17
S - R	1442	- 16	O - N	1259	- 18
R-Q	1394	-2			

Maximum Web Forces Per Ply (lbs)

Tens.Comp.	Webs	Tens. Comp.
12 - 722	V - I	549 - 22
1468 0	V - J	38 - 2430
39 - 2436	Q-K	1476 0
553 - 23	0 - L	120 - 487
15 - 2120	M - N	16 - 620
	12 - 722 1468 0 39 - 2436 553 - 23	12 -722 V-I 1468 0 V-J 39 -2436 Q-K 553 -23 O-L



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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 30633 / COMN Ply: 5 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T24 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24487 Qty: 1 Page 2 of 2 Truss Label: G2a 29' Common Girder SSB / WHK 04/29/2025

Blocking

Apply additional nailing over the following bearings with fasteners at 9" oc perpendicular to grain and 4" oc parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:

Bearing 1 located at 0.0" (blocking >= 3.50" if used)

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



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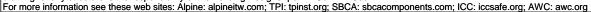
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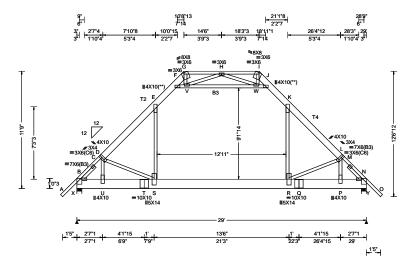
COMN Ply: 5 Qty: 1

Job Number: B60868a BORCHARDT RESIDENCE

Truss Label: G2b 29' Common Girder

Cust: R 857 JRef: 1Y9K8570005 T56 / DrwNo: 119.25.1524.24172 SSB / WHK 04/29/2025

5 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.079 R 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.209 R 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.062 E
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 15.67 ft		HORZ(TL): 0.164 E
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.395
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.672
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.561
' '	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15

Lumber

Top chord: 2x4 SP #1; T2,T4 2x8 SP SS Dense; Bot chord: 2x12 SP #2; B3 2x4 SP #1; Webs: 2x4 SP #3;

Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @10.00" o.c. Bot Chord: 1 Row @ 2.75" o.c. Webs : 1 Row @ 4" o.c.

BC: 3750 lb Conc. Load at 21.25

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

In addition, apply (1) 0.22"-0.25" min/max dia. X 4.5"

length wood screw (from each outside face) at each joint location.

Special Loads

- P					
(Lumbe	r Dur.Fa	ac.=1.25	/ Plate	e Dur.Fac.=	1.25)
TC: From	60 plf	at -1	.62 to	60 plf at	30.62
TC: From	28 plf	at 8	.04 to	28 plf at	9.93
TC: From	28 plf	at 19	.07 to	28 plf at	20.96
PLT: From	20 plf	at 9	.93 to	20 plf at	19.07
PLT: From	100 plf		.04 to	100 plf at	20.96
BC: From	6 plf	at -1	.62 to	6 plf at	0.00
BC: From	20 plf	at 0	.00 to	20 plf at	29.00
BC: From	330 plf	at 2	.00 to	330 plf at	21.25
BC: From			.00 to	6 plf at	30.62
BC: 1625 I					
BC: 2003 I					
BC: 145 l	b Conc.	Load at	8.04,	20.96	

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Loc R+ Х 9980 /-8136 Wind reactions based on MWFRS

Brg Wid = 6.0Min Reg = 2.4 (Truss) Brg Wid = 6.0 Min Req = 1.9 (Truss) Bearings X & Y are a rigid surface.

/Rh

▲ Maximum Reactions (lbs) Gravity

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords

Non-Gravity

/48 /-

/RL

/236

/Rw /U

/929

/996

0110100	rono.comp.	Onlordo	. 0110.	oomp.
B-C	18 - 1370	H - I	864	0
C - D	32 - 2071	J - K	58	- 1060
D - E	42 - 2129	K-L	41	- 2132
E-F	58 - 1061	L - M	32	- 1750
G - H	868 - 1	M - N	18	- 1152

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. C	omp.
B - U	1480	- 12	R - Q	1200	-6
U - T	1438	- 13	Q-P	1200	-6
T-S	1438	- 13	P - N	1248	-7
S - R	1389	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
B-C	13 - 719	W - I	548	- 23
E-S	1468 0	W - J	38	- 2423
F-V	38 - 2429	R - K	1474	0
G - V	552 - 23	P-L	120	- 490
V - W	15 - 2114	M - N	13	- 616



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SEQN: 30629 / COMN Ply: 5 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T56 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24172 Qty: 1 Page 2 of 2 Truss Label: G2b 29' Common Girder SSB / WHK 04/29/2025

Blocking

Apply additional nailing over the following bearings with fasteners at 9" oc perpendicular to grain and 4" oc parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:

Bearing 1 located at 0.0" (blocking >= 3.50" if used)

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



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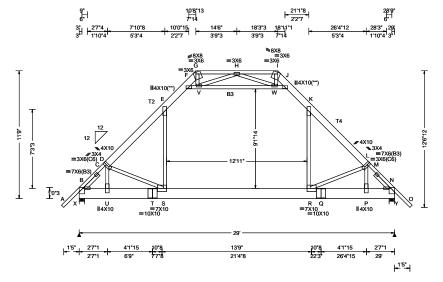




Ply: 1 Qty: 2

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: G2c 29' Common

Cust: R 857 JRef: 1Y9K8570005 T11 / DrwNo: 119.25.1524.25172 SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.105 R 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.235 R 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.086 E	
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.195 E	
NCBCLL: 10.00	Mean Height: 15.67 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.404	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.963	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.542	
' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	
	•	•	•	_

ı	umbor	

Top chord: 2x4 SP #1; T2,T4 2x8 SP SS Dense; Bot chord: 2x12 SP #2; B3 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Attic room loading from 8-0-8 to 20-11-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls:

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Blocking

Blocking reinforcement required to prevent buckling of members over the bearings: Bearing 1 located at 0.0' (blocking >= 3.50" if used) Bearing 2 located at 28.5' (blocking >= 3.50" if used)

▲ Maxir	num Rea	ctions (lbs)		
	Gravity	-	No	on-Grav	/ity
Loc R	- / R-	/ Rh	/ Rw	/ U	/ RL
X 221	5 /-	/-	/628	/57	/236
Y 221	5 /-	/-	/628	/57	/-
Wind re	actions ba	ased on	MWFRS		
X Brg	Wid = 6 .	0 Min	Req = 2.6	(Truss	s)
Y Bro	Wid $= 6$.	0 Min	Req = 2.6	(Truss	s)
				•	′
Membe	rs not liste	ed have f	orces les	s than 3	375#
Maximu	ım Top C	hord Fo	rces Per	Ply (lb	s)
в-с	123 -	1422	H-I	651	0
C-D	214 -	2169	J-K	333	- 1604
D-E	259 -	2628	K-L	258	- 2628
E-F	333 -	1604	L-M	211	- 2169
	Loc R-I X 221 Y 221 Wind re X Brg Y Brg Bearing Membee Maximu Chords B - C C - D D - E	Caravity Loc R+	Gravity Loc R+ /R- /Rh X 2215 /- /- Y 2215 /- /- Wind reactions based on X Brg Wid = 6.0 Min Y Brg Wid = 6.0 Min Bearings X & Y are a rigid Members not listed have for the comp. B - C 123 - 1422 C - D 214 - 2169 D - E 259 - 2628	Loc R+ /R- /Rh /Rw X 2215 /- /- /628 Y 2215 /- /- /628 Wind reactions based on MWFRS X Brg Wid = 6.0 Min Req = 2.6 Y Brg Wid = 6.0 Min Req = 2.6 Bearings X & Y are a rigid surface. Members not listed have forces less Maximum Top Chord Forces Per Chords Tens.Comp. Chords B - C 123 - 1422 H - I C - D 214 - 2169 J - K D - E 259 - 2628 K - L	Cravity

Maximum Bot Chord Forces Per Plv (lbs)

G-H

651

Chords	Tens.Comp.		Chords	Tens. C	comp.
B - U	1547	-61	R-Q	1483	- 51
U - T	1483	- 67	Q-P	1483	-51
T-S	1483	- 67	P - N	1547	- 57
9 - P	1603	Λ			

M - N

121 - 1422

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Co	omp.
B-C	84 - 823	H - W	211	- 402
D - U	54 - 647	W - I	752	- 133
E-S	1240 0	W - J	291 -	2431
F-V	290 - 2431	R - K	1240	0
G - V	752 - 133	P-L	70	- 647
V - H	211 - 402	M - N	84	- 823
V - W	82 - 1845			



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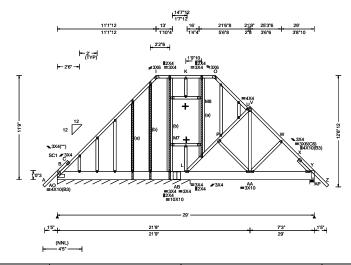
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

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SEQN: 29802 / GABL Ply: 2 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T36 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24986 Qty: 1 Page 1 of 2 Truss Label: G3-SG 29' Gable SSB / WHK 04/29/2025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.008 K 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.018 K 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 N
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 15.67 ft		HORZ(TL): 0.012 N
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.124
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.063
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.597
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15

▲ Maximum Reactions (lbs), or *=PLF					
	Gravity		N	on-Gra	vity
Loc R-	⊦ /R-	/ Rh	/ Rw	/ U	/ RL
AO*202	· /-	/-	/73	/17	/22
AP 106	5 /-	/-	/409	/-	/-
Wind re	actions	based on	MWFRS		
AO Bro	Wid = 1	180 Min	Reg = -		
AP Bro	Wid = 6	6.0 Min	Reg = 1.	5 (Trus	s)
Bearing	s AO &	AP are a	rigid surfa	cè.	,
Membe	rs not lis	ted have	forces les	s than	375#
Maximu	Maximum Top Chord Forces Per Ply (lbs)				
			Chords		•
L-P	175	- 534	V - W	54	- 390
P-U	132	- 390	W - X	28	- 456

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x12 SP #2; Webs: 2x4 SP #3; M7,M8 2x8 SP SS Dense; Stack Chord: SC1 2x4 SP #1; Rt Slider: 2x4 SP #3; block length = 1.958'

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. :1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

All plates are 1.5X3 except as noted.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/228.

Gable Reinforcement

(a) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord. (b) 2x3 "T" reinforcement. Same species and grade as web. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

+ Member to be laterally braced for out of



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SEQN: 29802 / GABL Ply: 2 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T36 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24986 Qty: 1 Page 2 of 2 Truss Label: G3-SG 29' Gable SSB / WHK 04/29/2025

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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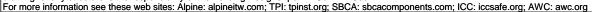
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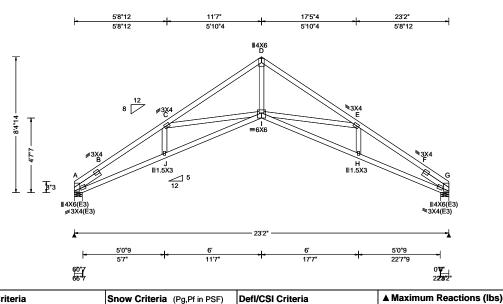
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SEQN: 30593 / SCIS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T7 / FROM: RJL Qty: 2 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24987 Truss Label: H1 23'2" Scissor SSB / WHK 04/29/2025



	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	;)
	TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
- 1	TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.186 I 999 360	Loc R+ /R- /Rh	/Rw /U /RL
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.365 I 761 240	A 909 /- /-	/474 /33 /144
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.196 G	G 909 /- /-	/474 /33 /-
	Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.384 G	Wind reactions based on MV	NFRS
- 1	NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A Brg Wid = 6.0 Min Re	eq = 1.5 (Truss)
- 1	0-414	TCDL: 4.2 psf BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.378	G Brg Wid = 6.0 Min Re	
- 1	Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.525	Bearings A & G are a rigid so	
- 1		C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.665	Members not listed have force	
	Spacing. 24.0		FT/RT:20(0)/10(0)		Maximum Top Chord Force	
		Loc. from endwall: not in 9.00 ft	', ',		Chords Tens.Comp. Ch	nords Tens. Comp
		GCpi: 0.18	Plate Type(s):			
		Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15		-E 28 -200
ı	Lumber	•	•		^J B-C 106-2498 E-	- F 100 - 249

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

C-D 35 - 2003 F-G 101 - 2558

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords A - J 2147 - 43 I - H 2181 - 42 2147 J - I 2181 - 47 H-G -38

28 - 2003

100 - 2498

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Co	omp.
C-I	163 - 386	D - I	1745	0
I-F	164 - 386			



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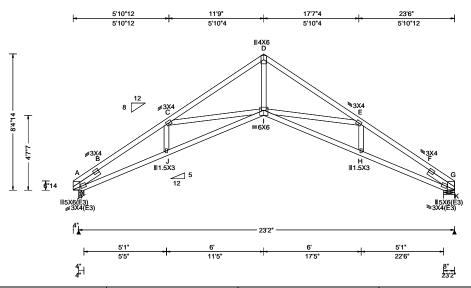
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SEQN: 30595 / SCIS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T6 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25501 Truss Label: H1a 23'6" Scissor SSB / WHK 04/29/2025



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg.	Pf in PSF) Defl/CSI Criteria
TCLL: 20.00 Wind Std: A Speed: 130 Enclosure: Cl Risk Category Des Ld: 37.00 MCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Wind Std: A Speed: 130 Enclosure: Cl Risk Category EXP: B Kzt Mean Height: TCDL: 4.2 ps BCDL: 5.2 ps MWFRS Para C&C Dist a: 3 Loc. from enclosure.	ASCE 7-22 Pg: NA Ct: NA Pf: NA losed Lu: NA Cs: NA Snow Duration:	CAT: NA Ce: NA VERT(LL): 0.187 I 999 360 VERT(CL): 0.368 I 750 240 HORZ(LL): 0.192 G

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Wind

Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs) Gravity

1	Clavity				Non-Gravity			
١	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
l	Α	942	/-	/-	/489	/36	/146	
١	K	902	/-	/-	/470	/35	/-	
١	Win	d rea	actions b	ased on	MWFRS			
١	Α	Brg	Wid = 4.	.0 Min	Req = 1.5	(Trus	ss)	
١	K	Brg	Wid = 8.	.0 Min	Req = 1.5	(Trus	ss)	
ı	Bearings A & G are a rigid surface.							
١	Members not listed have forces less than 375#							
١	Maximum Top Chord Forces Per Ply (lbs)							
١	Cho	rds	Tens.Co	omp.	Chords	Tens	. Ćomp.	
- 1								

Non-Gravity

0	. oo.o.	00.00	. cc. c cp.	
A - B	148 - 2418	D-E	23 - 1979	Ī
A - D	140 - 2410	D - E	23 - 19/9	
B - C	93 - 2346	E-F	98 - 2535	
\sim D	27 - 107/	F-G	126 - 2502	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. C	comp.
A - J	1983		I - H	2220	- 39
J - I	2032		H - G	2190	- 34

Maximum Web Forces Per Plv (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
	169 445	ВΙ	1715		



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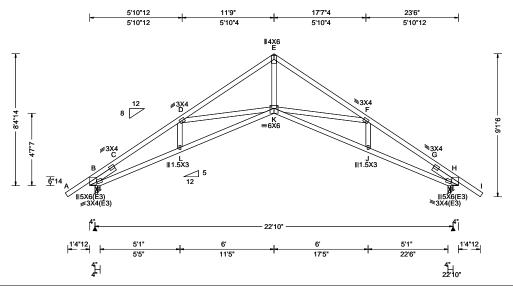
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SEQN: 30591 / SCIS Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T10 / FROM: RJL Qty: 4 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25547 Truss Label: H1b 23'6" Scissor SSB / WHK 04/29/2025



Loading Criteria (psf) V	Vind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs	;)
TCLL: 20.00 V	Vind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 7.00 S	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.196 K 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00 E	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.373 K 723 240	B 1017 /- /-	/487 /51 /148
1BCDL. 10.00 1	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.208 G	H 1013 /- /-	/487 /51 /-
Dec d 37 00	EXP: B Kzt: NA		HORZ(TL): 0.398 G	Wind reactions based on MV	VFRS
NCBCLL 40 00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0		eq = 1.5 (Truss)
0-4:4	FCDL: 4.2 psf BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.645	H Brg Wid = 4.0 Min Re	. , ,
l l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.717	Bearings B & H are a rigid su	
1		Rep Fac: No	Max Web CSI: 0.607	Members not listed have force	
1 ' ' '		FT/RT:20(0)/10(0)		Maximum Top Chord Force	
		Plate Type(s):		Chords Tens.Comp. Ch	nords Tens. Comp
v	Vind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	B - C 173 - 2285 E - C - D 152 - 2213 F -	
1				U-D 132 -2213 1 -	· G 100 - 224

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958' Rt Slider: 2x4 SP #3; block length = 1.958'

Wind

Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind Wind loading based on both gable and hip roof types.

173 - 2285 61 - 1878 C - D 152 - 2213 F-G 166 - 2245 D-E 60 - 1877 G-H 189 - 2305

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	s Tens. Com	
B-L	1858	- 29	K-J	1943	-51
L-K	1911	- 38	J - H	1893	- 44

Maximum Web Forces Per Ply (lbs) Tens.Comp

M ens	16115.00	mp.
F-K	1594	0



Florida 2022 Sate of Product Approval #FL 1999

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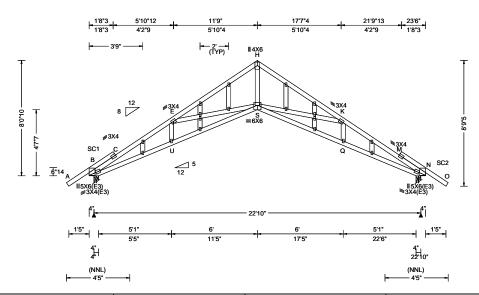
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SEQN: 29652 / GABL Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T8 / Qty: 1 FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.25581 Truss Label: H2-SDG 23'6" Gable SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.345 I 783 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.610 I 442 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.314 N
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.555 N
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.525
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.649
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.912
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP SS Dense; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #1; Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

▲ Maximum Reactions (lbs)							
	Gravity Non-Gravity						
Loc R	2+ /	R- /	Rh	/Rw	/ U	/ RL	
B 13	04 /-	/-		/570	/111	/196	
N 13	04 /-	/-		/570	/111	/-	
Wind r	eactio	ns base	d on M\	VFRS			
B Br	g Wid	= 4.0	Min Re	q = 1.	5 (Truss	s)	
N Br	g Wid	= 4.0	Min Re	q = 1.	5 (Truss	s)	
Bearin	gs B 8	N are a	rigid s	urface.	•		
Membe	ers no	t listed h	ave for	ces les	s than 3	375#	
Maxim	um T	op Chor	d Forc	es Per	Ply (lb	s)	
Chords	s Ten	s.Comp	. Ch	ords	Tens.	Comp.	
B-C	21	57 - 3422	> н	- K	213	- 2692	
C-E	-	34 - 3348			454		
F-H		12 - 2692		- N	378	- 3422	

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	Comp.	Chords	Tens. (Comp.		
B - U U - S		- 214 - 210	S - Q Q - N	2983 2951	- 229 - 236		

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs E-S 359 - 544 S - K 349 - 544 H-S 2394 - 95



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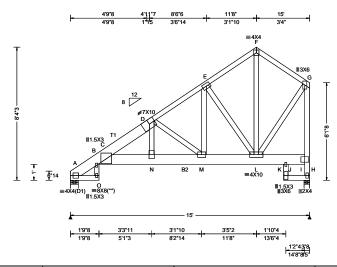
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 29761 / COMN Ply: 3 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T18 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24704 Qty: 1 Truss Label: K1 15' Common Girder SSB / WHK 04/29/2025

3 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.108 C 999 360		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.200 C 890 240		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.106 K		
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.195 K		
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.661		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.281		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.508		
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15		
Lumber		Wind			

Top chord: 2x4 SP #1; T1 2x8 SP SS Dense; Bot chord: 2x4 SP #1; B2 2x8 SP SS Dense; Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 2.50" o.c. :1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	57 plf at	0.00 to	57 plf at	2.23
TC: From	28 plf at	2.23 to	28 plf at	11.67
TC: From	57 plf at	11.67 to	57 plf at	15.00
BC: From	20 plf at	0.00 to	20 plf at	1.79
BC: From	10 plf at	1.79 to	10 plf at	14.71
BC: From	20 plf at	14.71 to	20 plf at	15.00
BC: 1199 lb	Conc. Load	at 2.23, 4.	23, 6.23, 8.2	23
10.23				

BC: 1285 lb Conc. Load at 12.23 BC: 1283 lb Conc. Load at 14.23

Plating Notes

All plates are 4X6 except as noted.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

▲ Maximum Reactions (IDS)							
	Gravity	on-Grav	/ity				
Loc R	- /R-	/ Rh	/ Rw	/ U	/ RL		
A 422	5 /-	/-	/34	/-	/-		
H 509	5 /-	/-	/-	/44	/-		
Wind re	actions l	oased on I	MWFRS				
A Brg	Wid = 6	.0 Min	Req = 1.7	7 (Truss	s)		
H Brg	Wid = 4	.0 Min	Req = 2.0	(Truss	s)		
Bearing	s A & H	are a rigid	surface.				
Membe	rs not list	ted have f	orces les	s than 3	375#		
Maximu	ım Top	Chord Fo	rces Per	Ply (lb	s)		
Chords	Tens.C	omp.	Chords	Tens.	Comp.		
A - B	0	- 793	D-E	11	- 1590		
B-C	0	- 759	E-F	8	- 773		
C - D	0 -	2277	F-G	10	- 783		

Maximu	Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp	١.

C - N 2272 M - L 1237 N - M 2274

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs D-N 505 F-L 800 0 0 D - M L-G 0 - 1185 1088 -9 M - E 1333 0 1 - G 17 - 1336

4 - 1061



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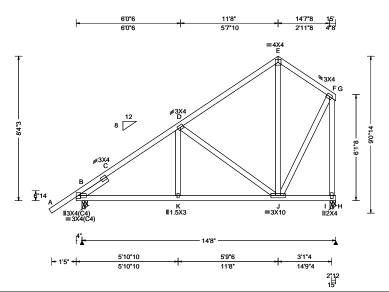
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15 - 1470 SEQN: 30589 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T16 / FROM: RJL Qty: 4 BORCHARDT RESIDENCE DrwNo: 119.25.1524.23948 Truss Label: K2 15' Common SSB / WHK 04/29/2025



Deading Criteria (psf)								
TCDL: 7.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.012 K 999 360 BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(LL): 0.012 K 999 240 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): 0.004 J - - NCBCLL: 10.00 Mean Height: 15.00 ft TCDL: 4.2 psf Building Code: Creep Factor: 2.0 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.221 Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: No Max Web CSI: 0.377	Loading	Criteria (psf)	Wind Criteria	Snow Criteria (Pg,	Pf in PSF)	Defl/CSI Criteria		4
Wind Duration: 1.60 WAVE VIEW Ver: 24.02.00C.1213.15	TCLL: TCDL: BCLL: BCDL: Des Ld: NCBCLL: Soffit: Load Duri	20.00 7.00 0.00 10.00 37.00 10.00 2.00 ation: 1.25	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA Pf: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 R TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	CAT: NA Ce: NA	PP Deflection in loc I VERT(LL): 0.012 K VERT(CL): 0.023 K HORZ(LL): 0.004 J HORZ(TL): 0.011 C Creep Factor: 2.0 Max TC CSI: 0.270 Max BC CSI: 0.221 Max Web CSI: 0.377	999 30 999 24 - -	60 L 40 B - H - V B H B N N

▲ Maximum Reactions (lbs)						
	(Gravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	693	/-	/-	/326	/12	/153
Н	552	/-	/-	/320	/49	/-
Win	d rea	ctions b	ased on	MWFRS		
В	Brg \	Wid = 4.	0 Min	Req = 1.5	(Trus	s)
Н	Brg \	Wid = 4.	0 Min	Req = 1.5	(Trus	s)
Bea	rings	B&lar	e a rigio	l surface.	•	•
Mer	nbers	not liste	ed have	forces less	s than :	375#
Maximum Top Chord Forces Per Ply (lbs)						s)
Chords Tens.Comp. Chords Tens. C					•	
В-(С	386	- 972	C - D	98	- 626

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958'

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 470 - 197

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs 391 - 104 F - I 182 - 531



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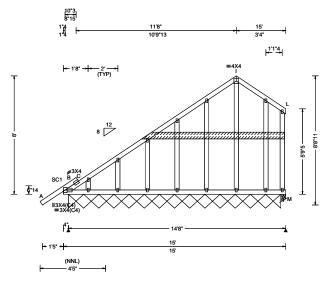
SEQN: 29713 / FROM: RJL

GABL

Ply: 1 Qty: 1

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: K3-DG 15' Gable

Cust: R 857 JRef: 1Y9K8570005 T2 / DrwNo: 119.25.1524.25657 SSB / WHK 04/29/2025



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 B 999 360		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.007 B 534 240		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C		
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.004 C		
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.170		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.108		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.427		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15		
Laurahan		A delition of Motor			

▲ M	▲ Maximum Reactions (lbs), or *=PLF						
	Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В*	124	/-	/-	/53	/9	/14	
М	52	/-	/-	/30	/6	/-	
Win	d rea	ctions b	ased on N	/WFRS			
В	Brg \	Nid = 17	72 Min F	Req = -			
М	Brg \	Nid = 4.	0 Min F	Req = 1.5	(Trus	s)	
Bea	rings	B&Na	re a rigid	surface.	-	-	
Men	nbers	not liste	ed have fo	orces less	s than	375#	
Max	cimur	n Top C	hord For	ces Per	Ply (lk	os)	
Cho	rds .	Tens.Co	mp.		•	•	
В-(С	452	- 727				

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #1;

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/799.

Additional Notes

See DWG GBLDIAG220923 for gable stiffback and diagonal bracing details.

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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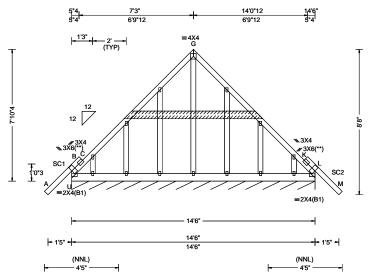
SEQN: 29776 / FROM: RJL

GABL

Ply: 1 Qty: 1

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: L1-DG 14'6" Gable

Cust: R 857 JRef: 1Y9K8570005 T40 / DrwNo: 119.25.1524.23923 SSB / WHK 04/29/2025



▲ Ma	axim	um Re	actions	(lbs), or	*=PL	.F		
	Gravity				Non-	Gra	vity	
Loc	R+	/ R-	/ Rh	/ R	N /	U	/ RL	
U* -	135	/-	/-	/52	/1	0	/15	
Wind	d rea	ctions b	pased o	n MWFR	S			
U	Brg ۱	Nid = 1	74 Mi	n Req =	-			
Bear	ring (J is a ri	gid surf	ace.				
Men	bers	not list	ted have	e forces le	ess th	an :	375#	
Max	Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds ·	Tens.C	omp.	Chords	Te	ens.	Comp.	
В-0		343	- 608	K-L		317	- 526	

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x6 SP #1; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #1; Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 1.5X3 except as noted.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/984.

Additional Notes

See DWG GBLDIAG220923 for gable stiffback and diagonal bracing details.

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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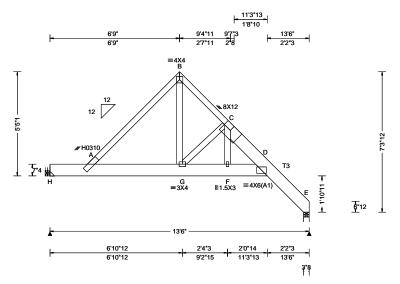


SEQN: 29763 / FROM: RJL

COMN Ply: 1 Qty: 6

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: M1 13'6" Common

Cust: R 857 JRef: 1Y9K8570005 T47 / DrwNo: 119.25.1524.25595 SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.23 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): HS, WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.057 G 999 360 VERT(CL): 0.107 G 999 240 HORZ(LL): -0.005 B HORZ(TL): 0.010 B Creep Factor: 2.0 Max TC CSI: 0.246 Max BC CSI: 0.258 Max Web CSI: 0.222 VIEW Ver: 24.02.00C.1213.15	

	▲ Maximum Reactions (lbs)							
		Gravity	-	No	on-Grav	/ity		
Loc R+		+ /R-	/ Rh	/ Rw	/ U	/ RL		
	H 514	4 /-	/0	/236	/18	/144		
		9 /-	/-		/79	/-		
	Wind re	eactions l	based on	MWFRS				
	H Br	g Wid = -	Min	Req = -				
	E Br	g Wid = 3	3.5 Min	Req = 1.5	(Truss	s)		
	Bearing	g E is a ri	gid surfac	e.				
	Membe	ers not lis	ted have f	orces less	s than 3	375#		
	Maximum Top Chord Forces Per Ply (lbs)							
	Chords	Tens.C	omp.	Chords	Tens.	Comp.		
	A - B	102	- 667	C-D	95	- 626		
	B-C	133	- 631			J		

Lumber

Top chord: 2x4 SP #1; T3 2x8 SP SS Dense; Bot chord: 2x8 SP SS Dense; Webs: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

JIIOIUS	16115.00	mp.	Chorus	Tens. Co	πηρ.
4 - G	397	0	F-D	650	0
3 - F	627	Λ			

Maximum Web Forces Per Ply (lbs)

Tens.Comp. Webs B - G 582



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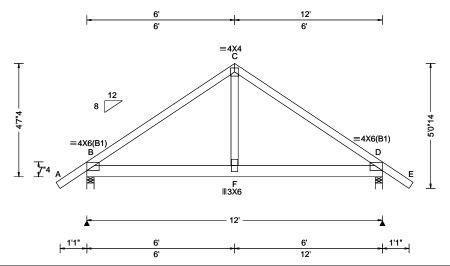
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SEQN: 29767 / COMN Ply: 2 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T32 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24720 Truss Label: N1 12' Common Girder SSB / WHK 04/29/2025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.38 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.013 F 999 360 VERT(CL): 0.024 F 999 240 HORZ(LL): 0.003 D HORZ(TL): 0.005 D Creep Factor: 2.0 Max TC CSI: 0.091 Max BC CSI: 0.376 Max Web CSI: 0.328	
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	٦

▲ Maxim	▲ Maximum Reactions (lbs)					
(avity		No	on-Grav	vity	
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
B 2003	/-	/-	/-	/108	/-	
D 1700	/-	/-	/-	/125	/-	
Wind rea	ctions b	ased on	MWFRS			
B Brg \	Vid = 3.	5 Min	Req = 1.5	(Trus	s)	
D Brg \	Vid = 3.	5 Min	Req = 1.5	(Trus	s)	
Bearings	B&Da	re a rigi	d surface.			
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Chords '	Tens.Co	mp.	Chords	Tens.	Comp.	
в-с	49	871	C - D	53	- 882	

Top chord: 2x4 SP #1; Bot chord: 2x6 SP #1; Webs: 2x4 SP #3;

Nailnote

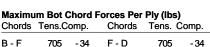
Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 5.75" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 28 plf at -1.25 to 28 plf at 10.27 TC: From 57 plf at 10.27 to 57 plf at 13.25 TC: From BC: From 5 plf at -1.25 to 5 plf at 0.00 BC: From BC: From 10 plf at 0.00 to 12.00 to 10 plf at 5 plf at 12 00 5 plf at 13.25 BC: 514 lb Conc. Load at 0.27, 2.27, 4.27, 6.27 8.27,10.27

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.



Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

860



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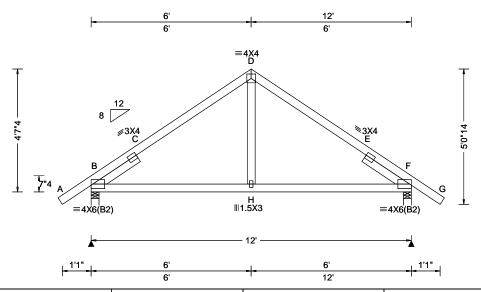
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SEQN: 29765 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T38 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24376 Qty: 2 Truss Label: N2 12' Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.030 C 999 360	Loc R+ /R- /Rh /Rw /U /RL
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.056 C 999 240	B 533 /- /- /243 /83 /80
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 C	F 533 /- /- /243 /83 /-
Dec 1 d: 37 00	EXP: B Kzt: NA		HORZ(TL): 0.042 C	Wind reactions based on MWFRS
INCECT LAGOO	Mean Height: 22.38 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5 (Truss)
0 - 46:4. 0 00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.277	F Brg Wid = 3.5 Min Req = 1.5 (Truss)
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.272	Bearings B & F are a rigid surface. Members not listed have forces less than 375#
l	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.161	Maximum Top Chord Forces Per Ply (lbs)
_	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		· · · · · · · · · · · · · · · · · · ·
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	B-C 413 -787 D-E 120 -470 C-D 119 -470 E-F 412 -785
				¹ C - D 119 - 470 E - F 412 - 785

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.958'
Rt Slider: 2x4 SP #3; block length = 1.958'

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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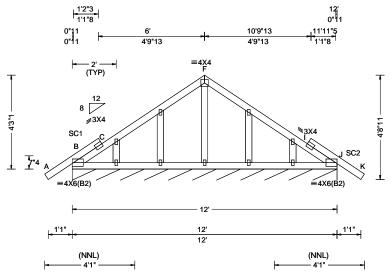
SEQN: 30012 / FROM: RJL

GABL

Ply: 1 Qty: 1

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: N3-DG 12' Gable

Cust: R 857 JRef: 1Y9K8570005 T30 / DrwNo: 119.25.1524.25580 SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 J 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 J 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 22.20 ft		HORZ(TL): 0.001 E
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.096
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.038
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.345
-, 3	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15
Lumber		Additional Notes	-

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL B* 100 /-/-/42 Wind reactions based on MWFRS B Brg Wid = 143 Min Req = Bearing B is a rigid surface. Members not listed have forces less than 375#

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #1; Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/648.

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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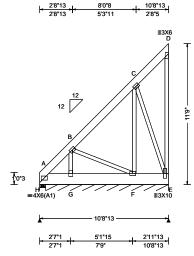
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SEQN: 30651 / MONO Ply: 2 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T48 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24219 Qty: 1 Truss Label: O1 10'8"13 Mono Girder SSB / WHK 04/29/2025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C
Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: B Kzt: NA Mean Height: 16.48 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0)	HORZ(TL): 0.002 C Creep Factor: 2.0 Max TC CSI: 0.051 Max BC CSI: 0.020 Max Web CSI: 0.103
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15
Lumber	•		

▲ M	axim	um Rea	ctions (II	os), or *=	:PLF	
Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Н	448	/-	/-	/163	/51	/267
E*	176	/-	/-	/56	/19	/-
Wind reactions based on MWFRS						
Н	Brg V	Vid = 6.	0 Min F	Req = 1.5	(Trus	s)
E Brg Wid = 122 Min Req = -						
Bearings H & H are a rigid surface.						
Members not listed have forces less than 375#						

Top chord: 2x8 SP SS Dense; Bot chord: 2x12 SP #2; Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 to 190 plf at TC: From 190 plf at BC: From 20 plf at 0.00 to 20 plf at

Plating Notes

All plates are 4X6 except as noted.

Wind

Wind loads based on MWFRS.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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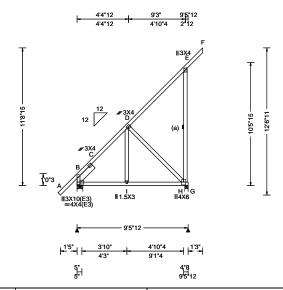
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SEQN: 30647 / MONO Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T5 / FROM: RJL Qty: 2 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24188 Truss Label: O2 9'5"12 Mono SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 I 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): -0.015 C 999 240	B 476 /- /- /209 /- /209
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 C	G 462 /- /- /385 /104 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.018 C	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.66 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 6.0 Min Req = 1.5 (Truss)
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.228	G Brg Wid = 3.5 Min Req = 1.5 (Truss)
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.200	Bearings B & H are a rigid surface. Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.276	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp.
	GCpi: 0.18	Plate Type(s):		· · · · · · · · · · · · · · · · · · ·
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	B - C 203 - 549

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Lt Slider: 2x6 SP #1; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

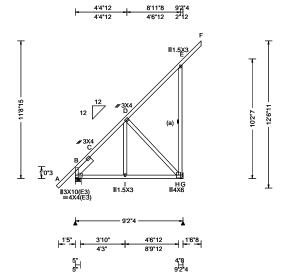
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For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org



SEQN: 30554 / MONO Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 FROM: RJL Qty: 2 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25923 Truss Label: O2s 9'2"4 Mono SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 I 999 360	Loc R+ /R- /Rh /Rw /U /RL
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.018 C 999 240	B 462 /- /- /202 /- /209
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C	G 472 /- /- /392 /110 /-
Dec 1 d 27 00	EXP: B Kzt: NA		HORZ(TL): 0.019 C	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.66 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 6.0 Min Req = 1.5 (Truss)
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.228	G Brg Wid = - Min Req = -
	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.179	Bearing B is a rigid surface.
	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.283	Members not listed have forces less than 375#
opasing. 2 no	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	B - C 203 - 559

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x6 SP #1; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Hangers / Ties

(J) Hanger Support Required, by others

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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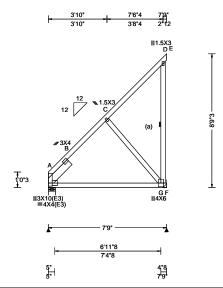
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T57 /

SEQN: 30059 / MONO Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T60 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.25485 Qty: 5 Truss Label: Q1 7'9" Mono SSB / WHK 04/29/2025



TCDL: 7.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.017 B 999 36 BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(LL): 0.017 B 999 36 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): 0.020 B - EXP: B KZt: NA Mean Height: 15.00 ft TCDL: 4.2 psf Building Code: Creep Factor: 2.0 Soffit: 2.00 BCDL: 5.2 psf BCDL: 5.2 psf Max TC CSI: 0.240 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h TPI Std: 2014 Max BC CSI: 0.502 Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: No Max Web CSI: 0.129	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
GCpi: 0.18 Plate Type(s): Wind Duration: 1.60 WAVE VIEW Ver: 24.02.00C.1213.15	TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.017 B 999 360 VERT(CL): 0.024 B 999 240 HORZ(LL): 0.020 B HORZ(TL): 0.039 B Creep Factor: 2.0 Max TC CSI: 0.240 Max BC CSI: 0.502 Max Web CSI: 0.129

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 306 /152 /183 /-/-/266 /112 /-313 Wind reactions based on MWFRS Brg Wid = 5.5 Min Reg = 1.5 (Truss) Brg Wid = -Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x6 SP #1; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Hangers / Ties

(J) Hanger Support Required, by others

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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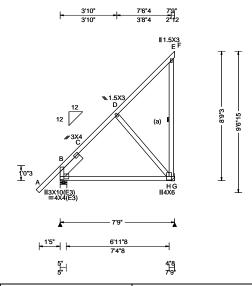
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SEQN: 30057 / MONO Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T59 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24110 Qty: 1 Truss Label: Q1a 7'9" Mono SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.014 C 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.019 C 999 240	B 415 /- /- /178 /- /214
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 C	G 303 /- /- /264 /110 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.024 C	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 5.5 Min Req = 1.5 (Truss)
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.184	G Brg Wid = - Min Req = -
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.499	Bearing B is a rigid surface. Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.118	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp.
	GCpi: 0.18	Plate Type(s):		· · · · · · · · · · · · · · · · · · ·
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	B - C 369 - 584

Lumber

Top chord: 2x4 SP #1;

Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Lt Slider: 2x6 SP #1; block length = 1.958'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Hangers / Ties

(J) Hanger Support Required, by others

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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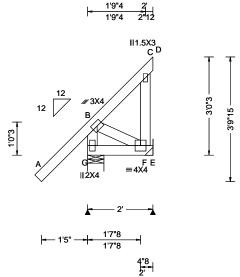
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SEQN: 30053 / MONO Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T52 / FROM: RJL Qty: 6 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25328 Truss Label: R1 2' Mono SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.001 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.252
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.030
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.073
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15
Louis			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 215 47 /-/-/37 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.5 (Truss) G Brg Wid = -Min Req = -Bearing G is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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SEQN: 29985 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T50 / FROM: RJL Qty: 2 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24719 Truss Label: PB1 13'8" Common SSB / WHK 04/29/2025 3'5"7 6'3"7 9'1"7 12'6"13 3'5"7 2'10" 2'10' 3'5"7 =3X4 C ∥1.5X3 D $\equiv 3\underline{X}4$ =2X4(A1) $\equiv 2X4(A1)$ H ∥1.5X3 12'6"13 6'3"7 6'3"7 6'3"7 12'6"13 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Wind Std: ASCE 7-22 Pg: NA Ct: NA CAT: NA 20.00 PP Deflection in loc L/defl L/# Loc R+ /R /Rw /U /RL Speed: 130 mph TCDL: 7.00 Pf: NA Ce: NA VERT(LL): 0.003 C 999 360 Enclosure: Closed VERT(CL): 0.030 E 0.00 Lu: NA Cs: NA 999 240 B* 82 /-/-Risk Category: II 10.00 Snow Duration: NA HORZ(LL): -0.002 B Wind reactions based on MWFRS EXP: B Kzt: NA Brg Wid = 150 Min Req = HORZ(TL): 0.014 D 37.00

TCLL: BCII: BCDL: Des Ld: NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Loc. from endwall: not in 9.00 ft

Mean Height: 21.45 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft

GCpi: 0.18

Wind Duration: 1.60

Building Code:

FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): <u>WA</u>VE

Creep Factor: 2.0 Max TC CSI: 0.099 Max BC CSI: 0.269 Max Web CSI: 0.065

VIEW Ver: 24.02.00C.1213.15

Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



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SEQN: 29988 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T49 / FROM: RJL BORCHARDT RESIDENCE DrwNo: 119.25.1524.24126 Qty: 2 Truss Label: PB2 13'8" Common SSB / WHK 04/29/2025 6'3"7 11'1"7 12'6"13 1'5"7 4'10" 4'10" 1'5"7 ∥1.5X3 D $\equiv 3X4$ 4"7 ≘2X4(A1) \equiv 2X4(A1) H ∥1.5X3 12'6"13 6'3"7 6'3"7 6'3"7 12'6"13 ▲ Maximum Reactions (lbs), or *=PLF Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Gravity Non-Gravity Wind Std: ASCE 7-22 Pg: NA Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# Speed: 130 mph Loc R+ /R /Rh /Rw /U /RL TCDL: 7.00 Pf: NA Ce: NA VERT(LL): 0.004 C 999 360 Enclosure: Closed Lu: NA VERT(CL): 0.007 C BCII: 0.00 Cs: NA 999 240 B* 82 /-/-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): -0.002 B Wind reactions based on MWFRS EXP: B Kzt: NA Brg Wid = 150 Min Req = HORZ(TL): 0.004 B Des Ld: 37.00 Mean Height: 20.78 ft

Lumber

Soffit:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

2.00

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1: Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

TCDL: 4.2 psf

BCDL: 5.2 psf

C&C Dist a: 3.00 ft

Wind Duration: 1.60

MWFRS Parallel Dist: h/2 to h

Loc. from endwall: not in 9.00 ft GCpi: 0.18

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.

Bearing B is a rigid surface. Members not listed have forces less than 375#



Creep Factor: 2.0

Max Web CSI: 0.109

0.238

0.262

VIEW Ver: 24.02.00C.1213.15

Max TC CSI:

Max BC CSI:

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Building Code:

TPI Std: 2014

FT/RT:20(0)/10(0)

Rep Fac: No

Plate Type(s):

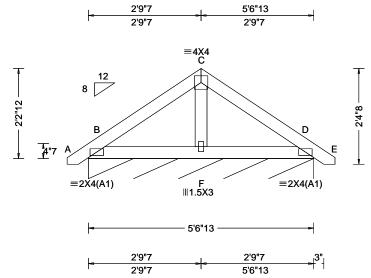
WAVE

FBC 8th Ed. 2023 Res.

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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 29990 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T3 / FROM: RJL BORCHARDT RESIDENCE Qty: 12 DrwNo: 119.25.1524.26033 Truss Label: PB3 6'8" Common SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 21.23 ft		HORZ(TL): 0.001 D
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.072
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.058
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.010
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15
Lumbor			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL B* 88 /-/-/40 /6 Wind reactions based on MWFRS B Brg Wid = 66.8 Min Req = Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



Flor 24/2025 ate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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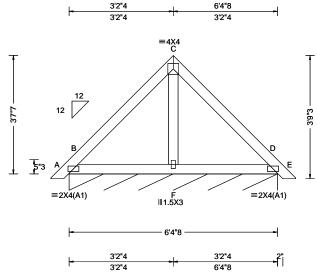
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SEQN: 30585 / COMN Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T4 / FROM: RJL Qty: 34 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24235 Truss Label: PB4 7'6"6 Common SSB / WHK 04/29/2025



Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf: NA Ce: NA	VERT(LL): 0.000 D 999 360
Lu: NA Cs: NA	VERT(CL): 0.001 D 999 240
Snow Duration: NA	HORZ(LL): -0.001 D
	HORZ(TL): 0.003 B
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res.	Max TC CSI: 0.182
TPI Std: 2014	Max BC CSI: 0.084
Rep Fac: No	Max Web CSI: 0.040
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 24.02.00C.1213.15
	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL B* 87 /-/-/42 /12 /11 Wind reactions based on MWFRS B Brg Wid = 76.5 Min Req = Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



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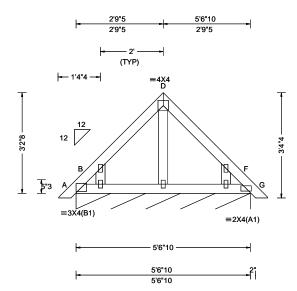
SEQN: 30082 / FROM: RJL

GABL

Ply: 1 Qty: 2

Job Number: B60868a BORCHARDT RESIDENCE Truss Label: PB5-G 6'8"8 Gable

Cust: R 857 JRef: 1Y9K8570005 T51 / DrwNo: 119.25.1524.25235 SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 D 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 D 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 23.53 ft		HORZ(TL): 0.001 C
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.108
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.025
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.103
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R-/Rh /Rw /U /RL B* 114 /-/-Wind reactions based on MWFRS B Brg Wid = 66.6 Min Req = Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Refer to DWG PB160220723 for piggyback details.



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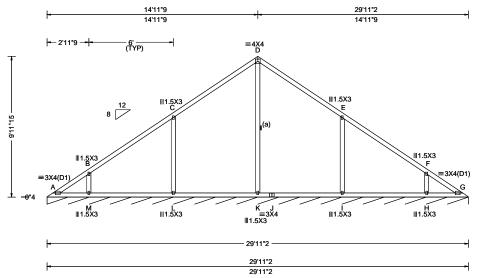
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SEQN: 29692 / VAL Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T19 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25781 Truss Label: V1 29'11"2 Valley SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 17.48 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 C 999 360 VERT(CL): 0.004 C 999 240 HORZ(LL): -0.001 A HORZ(TL): 0.004 C Creep Factor: 2.0 Max TC CSI: 0.386 Max BC CSI: 0.218 Max Web CSI: 0.256 VIEW Ver: 24.02.00C.1213.15	L GVGBMVC
Lumber				

▲ Maximum Reactions (lbs), or *=PLF							
	Gravity		N	Ion-Gra	vity		
Loc R	2+ /R-	/ Rh	/ Rw	/ U	/ RL		
G* 77	/-	/-	/37	/-	/6		
Wind r	eactions	based or	n MWFRS				
G Br	g Wid =	359 Mi	n Req = -				
Bearin	g A is a r	igid surfa	ace.				
Membe	ers not lis	ted have	e forces les	s than	375#		
Maxim	ium Web	Forces	Per Ply (I	bs)			
Webs	Tens.C	Comp.	Webs	Tens.	Comp.		
C-L	190	- 396	I-E	190	- 396		

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



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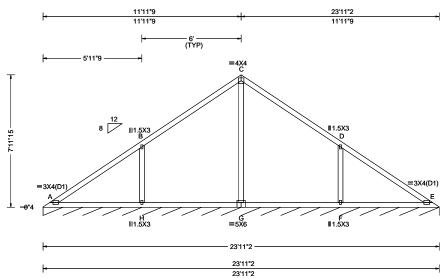
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SEQN: 29694 / VAL Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T21 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25703 Truss Label: V2 23'11"2 Valley SSB / WHK 04/29/2025



TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 18.48 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1 60	Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.013 E 999 360 VERT(CL): 0.025 E 999 240 HORZ(LL): 0.005 A HORZ(TL): 0.010 A Creep Factor: 2.0 Max TC CSI: 0.509 Max BC CSI: 0.272 Max Web CSI: 0.419	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	

▲ Max	▲ Maximum Reactions (lbs), or *=PLF							
	Gravity		· · ·	Non-Gra	vity			
Loc F	R+ /R-	/ Rh	/Rw	/ /U	/ RL			
E* 77	/-	/-	/37	/-	/6			
	Wind reactions based on MWFRS							
E Br	g Wid =	287 Mi	n Req = -					
Bearin	g Aisar	igid surfa	ace.					
Memb	ers not lis	ted have	e forces le	ss than :	375#			
Maximum Web Forces Per Ply (lbs)								
Webs	Tens.0	Comp.	Webs	Tens.	Comp.			
B - H	184	- 397	F-D	184	- 397			

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



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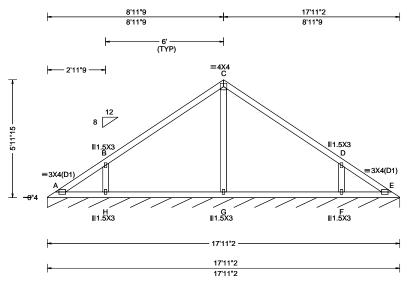
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 29696 / VAL Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T25 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24360 Truss Label: V3 17'11"2 Valley SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 19.48 ft TCDL: 4.2 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.001 A HORZ(TL): 0.002 B Creep Factor: 2.0
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.371 Max BC CSI: 0.221 Max Web CSI: 0.132 VIEW Ver: 24.02.00C.1213.15

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 77 /-/-/6 Wind reactions based on MWFRS E Brg Wid = 215 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



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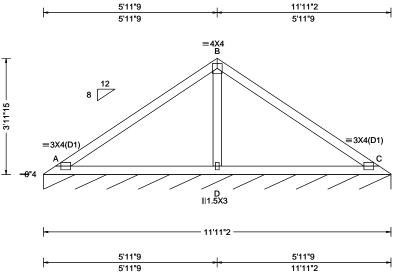
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 29698 / VAL Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T26 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24469 Truss Label: V4 11'11"2 Valley SSB / WHK 04/29/2025



Loading	Criteria (psf)	Wind Criteria	Snow Criteria (Po	,Pf in PSF)	Defl/CSI Criteria	а		▲ Maxi
TCLL: TCDL: BCLL: BCDL: Des Ld: NCBCLL: Soffit: Load Dur Spacing:	7.00 0.00 10.00 37.00 10.00 2.00 ation: 1.25 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.48 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA Pf: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	Ce: NA	Max BC CSI: Max Web CSI:	18 A 999 35 A 999 09 C - 18 C - 0 0.384 0.327 0.192	360 240 - -	Loc R C* 77 Wind re C Brearing Member Maxim Chords A - B
Lumber		Wind Duration: 1.60	WAVE		VIEW Ver: 24.02	2.00C.1213.	.15	Maxim Webs

	▲ Maxir	num Rea	ctions	(lbs), or *:	=PLF	
		Gravity		N	on-Grav	/ity
	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	C* 77	/-	/-	/36	/-	/6
	Wind re	actions b	ased o	n MWFRS		
	C Brg	Wid = 1	43 Mi	n Req = -		
	Bearing	A is a rig	id surfa	ace.		
	Member	s not list	ed have	e forces les	s than 3	375#
	Maximu	ım Top (Chord F	orces Per	Ply (lb	s)
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.
	A - B	413	- 144	B - C	413	- 141
-	Maximu	ım Web	Forces	Per Plv (II	ns)	

Tens.Comp.

256 - 645

B - D

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



Flor Ray 2021 Flor Product Approval #FL 1999

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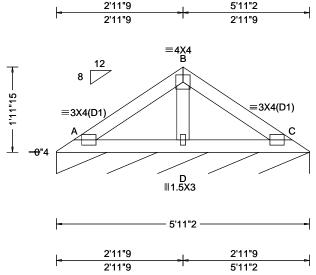
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SEQN: 29700 / VAL Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T34 / FROM: RJL Qty: 1 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25891 Truss Label: V5 5'11"2 Valley SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 21.48 ft		HORZ(TL): 0.002 C
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.073
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.068
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.042
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15
Lumbor		·	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 76 /-/-/5 Wind reactions based on MWFRS C Brg Wid = 71.1 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



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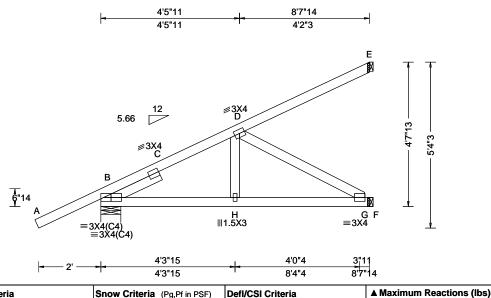
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SEQN: 29675 / HIP_ Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T9 / FROM: RJL Qty: 2 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25798 Truss Label: JA 8'7"14 Hip Jack Girder SSB / WHK 04/29/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 H 999 360 VERT(CL): 0.014 H 999 240 HORZ(LL): -0.003 C HORZ(TL): 0.006 C Creep Factor: 2.0 Max TC CSI: 0.306 Max BC CSI: 0.210 Max Web CSI: 0.188 VIEW Ver: 24.02.00C.1213.15

		G	avity		No	on-Grav	rity .
)	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
)	В	292	/-	/-	/-	/19	/-
	F	260	/-	/-	/24	/-	/-
	Е	184	/-	/-	/-	/43	/-
	Win	d rea	ctions bas	sed on M	WFRS		
	В	Brg \	Nid = 7.7	Min R	eq = 1.5	(Truss	s)
	F	Brg \	Vid = 1.5	Min R	eq = -		
	E	Brg \	Vid = 1.5	Min R	eq = -		
	Bea	ring E	3 is a rigio	l surface.			
	Men	nbers	not listed	l have for	ces les	s than 3	75#
_	Max	timur	n Top Ch	ord Ford	es Per	Ply (lbs	s)
	Cho	rds '	Tens.Con	np. C	hords	Tens.	Comp.

C-D

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Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Lt Slider: 2x4 SP #3; block length = 1.958'

Loading

Hipjack supports 6-1-8 setback jacks with no webs.

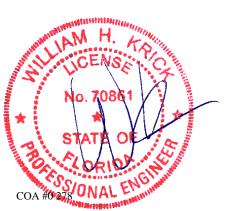
Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.

Maximum Web Forces Per Ply (lbs)

18 - 413

Webs Tens.Comp. D - G 18 - 403

B - C



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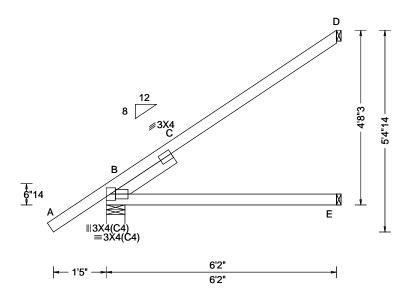
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SEQN: 29677 / **EJAC** Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T55 / FROM: RJL Qty: 16 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25734 Truss Label: JB 6'2" End Jack SSB / WHK 04/29/2025



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 Wind Std: ASCE 7-22	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 355 /- /- /143 /- /117
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.045 C	E 108 /- /- /65 /- /-
Des Ld: 37.00 EXP: B Kzt: NA		HORZ(TL): 0.083 C	D 143 /- /- /90 /61 /-
Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00 BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.402	B Brg Wid = 6.0 Min Req = 1.5 (Truss)
Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.302	E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = -
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.213	Bearing B is a rigid surface.
Loc. from endwall: not in 4.50 f	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#
GCpi: 0.18	Plate Type(s):		- Maximum Top Chord Forces Per Ply (lbs)
Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	Chords Tens.Comp.

Lumber

Top chord: 2x4 SP #1;

Bot chord: 2x4 SP #1; Lt Slider: 2x4 SP #3; block length = 1.958'

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



B - C

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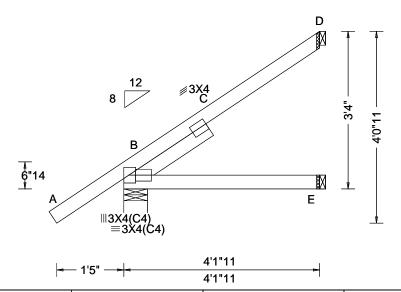
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SEQN: 29679 / JACK Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T53 / FROM: RJL Qty: 4 BORCHARDT RESIDENCE DrwNo: 119.25.1524.24798 Truss Label: JC 4'1"11 Jack SSB / WHK 04/29/2025



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 Wind Std: ASCE 7-22	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 285 /- /- /106 /- /85
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 C	E 69 /- /- /42 /- /-
Des Ld: 37.00 EXP: B Kzt: NA		HORZ(TL): 0.020 C	D 86 /- /- /60 /40 /-
NCBCLL: 10.00 Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00 BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.162	B Brg Wid = 6.0 Min Req = 1.5 (Truss)
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.114	E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = -
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.092	Bearing B is a rigid surface.
Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#
GCpi: 0.18	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)
Wind Duration: 1.60	WAVE	VIEW Ver: 24.02.00C.1213.15	Chords Tens.Comp.

Lumber

Top chord: 2x4 SP #1;

Bot chord: 2x4 SP #1; Lt Slider: 2x4 SP #3; block length = 1.958'

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



B - C

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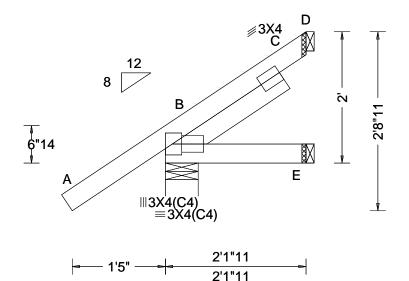
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SEQN: 29681 / JACK Ply: 1 Job Number: B60868a Cust: R 857 JRef: 1Y9K8570005 T54 / FROM: RJL Qty: 4 BORCHARDT RESIDENCE DrwNo: 119.25.1524.25860 Truss Label: JD 2'1"11 Jack SSB / WHK 04/29/2025



J (1 -)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 D HORZ(TL): 0.001 C Creep Factor: 2.0 Max TC CSI: 0.163 Max BC CSI: 0.042 Max Web CSI: 0.047 VIEW Ver: 24.02.00C.1213.15	
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		um Rea Gravity	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	234	/-	/-	/74	/11	/53
Е	30	/-	/-	/18	/-	/-
D	14	/-	/-	/31	/18	/-
Wir	nd read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 6.	0 Min F	Req = 1.5	(Trus	s)
Е	Brg V	Vid = 1.	5 Min F	Req = -	•	•
D			5 Min F			
Bea	aring B	is a riq	id surface	·).		
	_	_	ed have fo		s than	375#

Lumber

Top chord: 2x4 SP #1;

Bot chord: 2x4 SP #1; Lt Slider: 2x4 SP #3; block length = 1.958'

Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

Gable End Wind Bracing Details - Stiffback w/ Diagonal Bracing

Apply single or double stiffback as per Engineer's sealed truss design referencing this detail.

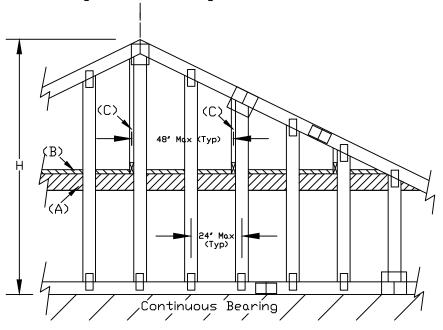
Refer to Engineer's sealed truss design for additional information not provided on this detail.

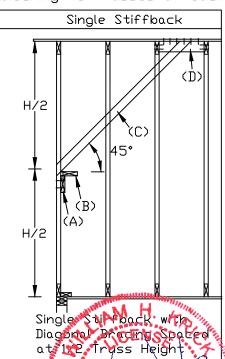
The required locations for lateral restraint or bracing depicted on this detail are for the permanent lateral transfer and support to transfer load and reduce buckling lengths. Details shall be specified by the Building Designer or other Registered Design Professional. This Detail does not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed, and detailed by the Building Designer.

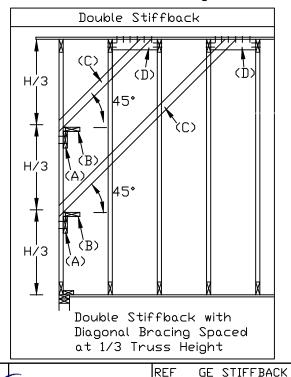
Refer to Building Designer for conditions not addressed by this detail.

Gable Lateral Bracing Components

- (A) Stiffback, Provide connection to each intersecting stud and chord,
- (B) L-reinforcement. Provide connection to narrow edge of stiffback.
- (C) Diagonal brace. Provide connection to gable stud at bottom end and to blocking at top end.
- (D) Blocking, cut to fit tight between trusses. Attach blocking to trusses at each end and to roof sheathing.







09/27/2023

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Trusses require extreme are infants. Into black the state of the state

Alpine, a division of TTV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping installation 8 bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this Job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

COA #0 278

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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

Piggyback Detail - ASCE 7-22: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

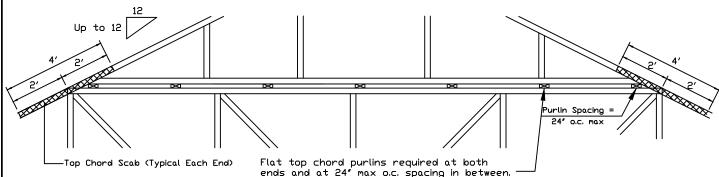
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building designer shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. Detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A: Purlin Spacing = 24" o.c. or less



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

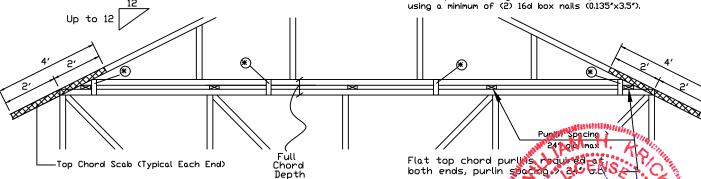
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nalls, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B: Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

Attach purlin bracing to the flat top chord



Note: If purlins or sheathing are not specified on the flat top of the sass truss, purlins must be installed at 24" o.c. max. and use Detail A.

* In addition, provide connection with one of the following methods:

Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gusset

8'x8'x7'16' (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.13'x2') nalls per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered o.c. front to back faces.

28PB Wave Piggyback Plate

Dine 28PB wave piggyback plate to each face 8 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120'x1.375' nails per face per ply.
Piggyback plates may be staggered 4' o.c. front to back faces.

IREF

DATE

PIGGYBACK

07/03/2023 DRWG PB160220723

##WARNING## READ AND FOLLOW ALL NOTES ON THIS DRAVING ##IMPORTANT## FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and pracing. Refer to ind follow the latest edition of BCSI (Buldling Component Safety Information, by FPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint a visit shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each for trust and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation to of this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPJ: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

COA #0 278

of Product Approval #FL 1999 CING 24.0" SPACING

04/30/2025

North Building, 4th Floor Glenview, IL 60025

155 Harlem Ave

Florida Certif

Cracked or Broken Member Repair Detail

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

- (B) = Damaged area, 12" max length of damaged section
- (L) = Minimum nailing distance on each side of damaged area (B)
- (S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2×4 members using two (2) rows at 4' o.c., rows staggered. Nail into 2×6 members using three (3) rows at 4' o.c., rows staggered.

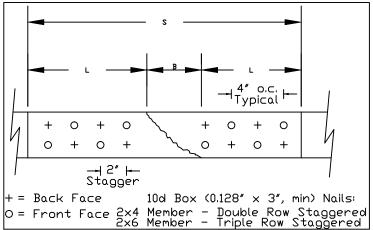
Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.



Nail Spacing Detail

MMVARNINGMM READ AND FOLLOW ALL NOTES ON THIS DRAWING MMIMPORTANTMM FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, shaping, shipping, installing and marcing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by FIP and SBCA) for say ty practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each fixed of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

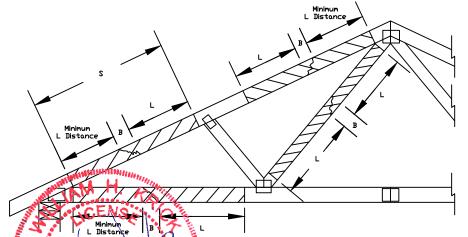
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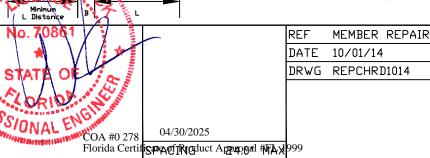
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcacomponents.com, ICC: www.iccsafe.org

Load Duration = 0% Member forces may be increased for Duration of Load

			Maximum Member Axial Force			
Member	Size	L	SPF-C	HF	DF-L	SYP
Web □nly	2×4	12"	620#	635#	730#	800#
Web □nly	2×4	18″	975#	1055#	1295#	1415#
Web or Chord	2×4	24″	975#	1055#	1495#	1745#
Web or Chord	2×6		1465#	1585#	2245#	2620#
Web or Chord	2×4	30″	1910#	1960#	2315#	2555#
Web or Chord	2×6		2230#	2365#	3125#	3575#
Web or Chord	2×4	36″	2470#	2530#	2930#	3210#
Web or Chord	2×6	30	3535#	3635#	4295#	4745#
Web or Chord	2×4	42″	2975#	3045#	3505#	3835#
Web or Chord	2×6		4395#	4500#	5225#	5725#
Web or Chord	2×4	48″	3460#	3540#	4070#	4445#
Web or Chord	2×6		5165#	5280#	6095#	6660#







155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

Valley Detail - ASCE 7-22: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.

Bot Chord 2x4 SP #2N or SPF #1/#2 or better.

Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

*** Attach each valley to every supporting truss with:
535# connection or with (1) Simpson H2.5A or
equivalent connector for
ASCE 7-22 180 mph. 30' Mean Height, Part. Enc.

Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00 Or

ASCE 7-22 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" \times 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

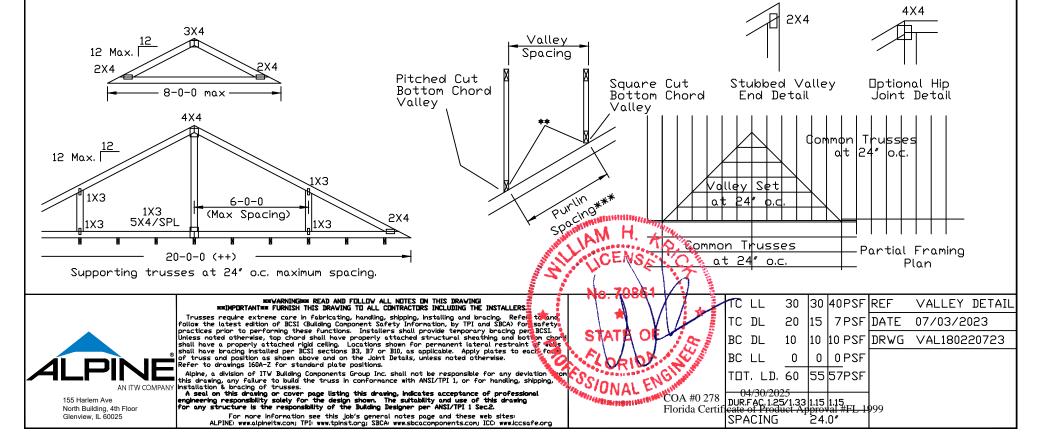
Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation.

⊔r

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design $\Box r$

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

- *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
- ++ Larger spans may be built as long as the vertical height does not exceed 14'-0''.



Valley Detail - ASCE 7-22: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better. Bot Chord 2x4 SP #2N or SPF #1/#2 or better. Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with: (2) 16d box (0.135" x 3.5") nails toe-nailed for ASCE 7-22, 30' Mean Height, Enclosed Building, Exp. C. Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on supporting truss material at connection location: 140 mph for SP (G = 0.55, min.), 125 mph for DF-L (G = 0.50, min.), or 105 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

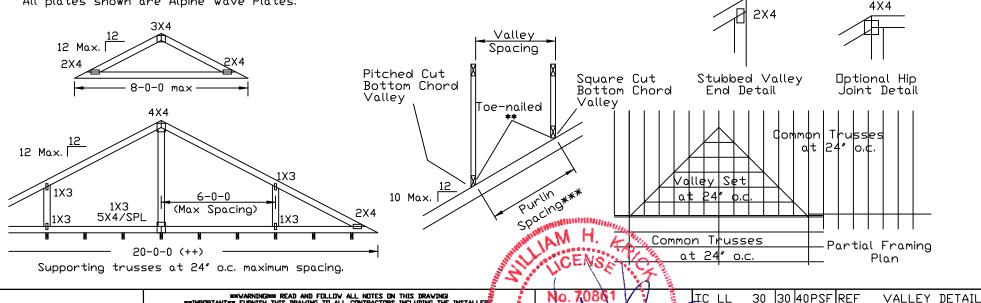
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with: properly attached, rated sheathing applied prior to valley truss installation.

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

- *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
- ++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



155 Harlem Ave North Building, 4th Floor Glenview II 60025

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07/03/2023

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